





EDITORIAL



A range of Services to optimize the performance of **Sames** equipments

For decades **Sames** has been designing, manufacturing selling industrial equipment to enable the bonding, protection and embellishment of your products. These equipments allows you to do the impossible: dose highly viscous products to the nearest gram at pressures of several hundred bars, apply extremely corrosive products 24 hours a day, 7 days a week without ever failing, or even safely apply paints charged at more than 100,000 Volts through rotating bowls at 80,000 revolutions per minute, all in ATEX environments...

For you to achieve such feats in your workshops, **Sames** equipments are certainly the best tool at your disposal. But like any tool, it requires perfect mastery, rigorous installation and commissioning, and regular

maintenance. To do this, through its network of partners, **Sames** offers you a wide range of Services allowing you to use our equipments with peace of mind, to maximize performance and save consumption, time and productivity.

In this catalog of Services you will therefore find the details of the services that are available to you in terms of:

- Training in integration, use and maintenance of **Sames** equipments
- Audit
- Maintenance contract
- Factory repair
- Laboratory tests
- · Turnkey projects

JULIEN DE FEYDEAU

Technical Director



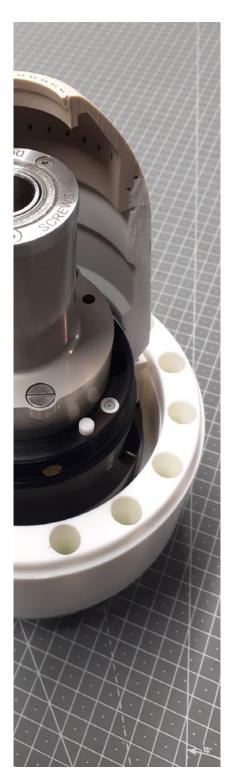




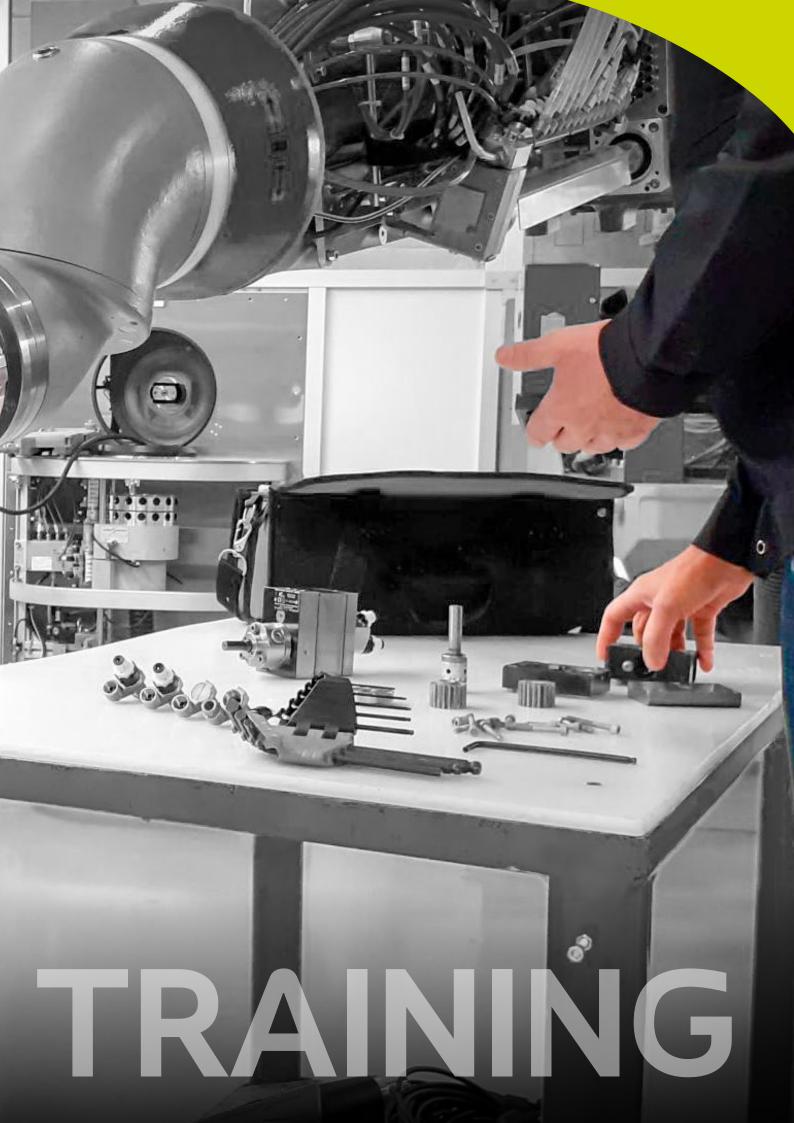


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SAMES SUBSIDIARIES AROUND THE WORLD



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UNITED STATES OF AMERICA

45001 5 Mile Road PLYMOUTH, MI 48170 Tel: 734-979-0100 Fax: 734-927-0064



SAMES PRODUCT RANGE

A range of products that meet the needs of all application businesses

With a wide variety of ranges and services, we can meet all your application needs. Whatever your production volume and the finishing level you expect, we will be able to advise you, design and implement the most suitable solution.

sames 5 kremlin



Airspray, Airmix®, Airless











automotive



agricultural







furnitures infrastructures transport



sames 5 intec



Sealant and adhesives application solutions















sames 5 nanocoat



Liquid coating application solutions for rotating bells, with and without electrostatic









c Wood







consumer

er construction



sames 5 inocoat



Powder coating application solutions













consumer infrastructures transport





TRAINING

Technical skills shared through training...

Our mission as trainers is to allow you to professionalise your staff and increase their technical skills for a better control of your facility.

Depending on the complexity of the topics covered, we support our technical sessions with 7 documentary or visual teaching tools such as PowerPoint, MCQs, maintenance poster, Memento, maintenance video, demonstration case or web training, to allow you a better assimilation of knowledge.

The offers and training programs proposed in this catalogue contribute to this objective achievement.



PPT slides



MCQ & exercices



Video support



Memento / Quick guide



Technical poster



Demo case



Web training

We are always ready to listen to your needs and to develop specific training programs with you on request. Our team of trainers remains at your disposal to support you in your future projects and your wishes to learn...

Let's develop together your technical skills to take full advantage of the performance of Sames equipment. Just what you need for maximum efficiency...

Our Customer Training Center is Qualiopi certified & registered under N° 2687 OF and certified & registered under N° 84 38 06768 38 with the DIRRECTE of the Auvergne – Rhône–Alpes region.





Equipment dismantling in workshop.



WHY SHOULD YOU TRAIN?



BSC300 demo case.

Evolving through training

The richness of a professional career is measured by the technical skills you need to acquire to meet a need to specialize even more, or simply to stay at the cutting edge of technology.

The training we offer will allow you to acquire the basics of a trade for beginners, perfect your Know-How or teach you the mastery of technique and methodology of preventive maintenance.

Based on training programs developed by our technical experts, you will have a chance to increase your skills thanks to our strong field experience, until you become a specialist in your field of competence.

■ Testimony

The first referent trainer certified at Barcelona

MORALES François

Deputy Manager Sales & Technical of Spain Subsidiary

«... Big thanks for the trainers to select Oscar and his team to be graduate as official trainers...»

Mechanical disassembly with video support.





Training the trainer on new equipment.

Our expertise to support you

With the reliable technology of our Sames equipments, we offer industrial solutions to increase your productivity, improve quality while reducing your product consumption and your production costs.

Armed with our knowledge of industrial and environmental issues, we share our Know-How and expertise through our training courses and teaching supports, with the only goal of allowing you to achieve your production tool profitability objectives.



TRAINING

Access and lead times:

from 1 to 6 participants maximum. A delay of one month will be necessary between the customer's request and the implementation of the session or the schedule of sessions over the year. Training starts when the agreement is signed, and dates are agreed with the customer.

Teaching method:

- Training Centers on production sites (2 in France, 1 in Germany),
- On-site training,
- Local subsidiary.

Assessment methods / Certification of training achievements:

- Practical case studies with real-life examples will serve as assessments.
- Summary given to each trainee
- On-the-spot evaluation of satisfaction levels by questionnaire/Cold evaluation for companies/financiers.

Accessibility for the disabled:

Depending on the trainee's disability, we will study any specific arrangements that could be made in collaboration with the trainee (tools, rhythms or particular methods adapted to the expressed disability).



TRAINING DEPARTMENT REPORT



Indicators Internal Sames training

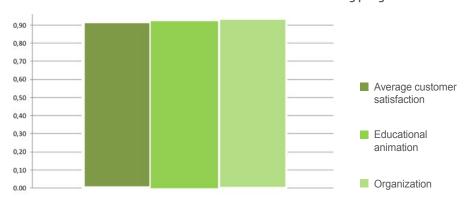
2024 Oct - 2025 Sept



Performance indicators

→ 2024 Oct - 2025 Sept

- 32 sessions organized
- **112** trainees trained during the period
- 91% average customer satisfaction (satisfaction target: 80%)
- 97% success rate for our trainees at the end of the training program





ALL OUR TRAINING COURSES IN FIGURES



Performance indicators October 2024 - September 2025

15 / 144





Level of complexity Training 1 2 3

NA = Not Applicable for the period



Nanocoat Range Training

		_	
MODULE NAME	CODE	SATISFACTION RATE	SUCCESS RATE
ACCUBELL709 EVO	PB-110-2	90%	100%
BELL CUP	GE-100-2	NA	NA
BSC300	PO-109-3	98%	100%
ELECTROSTATIC	GE-100-1	NA	NA
FCG	PP-105-2	NA	NA
GNM300	PO-110-3	98%	100%
HT HYDRO	GS-101-1	NA	NA
ISOCUBE	PO-101-2	98%	100%
NANOBELL2	PB-111-2	NA	NA
NANOBELL801	PB-112-2	100%	100%
NANOBELL803	PB-114-2	98%	100%
NANOBELL805	PB-115-2	89%	100%
NANOGUN+	PG-103-2	95%	100%
PPH308	PB-101-2	NA	NA
PPH707SB	PB-104-2	98%	100%
PPH707 EXT	PB-105-2	95%	100%
PPH707 2K MT	PB-106-2	98%	100%
PPH707 EXT I	PB-113-2	96%	100%
ROBOTIQUE	GE-101-3	100%	100%
REV800	PO-111-3	NA	NA
RFV2000	PR-101-2	NA	NA
TRP501 / TRP502	PA-112-2	NA	NA
UPSIDE	PO-107-1	NA	NA

Kremlin Range Training

MODULE NAME	CODE	SATISFACTION RATE	SUCCESS RATE
A25 FLOWMAX®	PA - 101 - 2	NA	NA
A28, A29, A3	PA - 102 - 2	NA	NA
A35	PA - 103 - 2	NA	NA
AIRLESS®	GA-102-1	NA	NA
AIRMIX®	GA-101-1	NA	NA
AIRSPRAY	GA-100-1	NA	NA
ATX & AVX	PA - 104 - 2	NA	NA
CYCLOMIX™ EXPERT	PK-104-3	NA	NA
CYCLOMIX™EVO	PK - 10X - 2	NA	NA
CYCLOMIX™EVO	PK - 10X - 3	NA	NA
FLOWMAX®	PP-103-2	NA	NA
FPRO	PG-104-2	NA	NA
FSTART	PG-112-2	NA	NA
O4D140/O1D140	PP - 107 - 2	NA	NA
PRIMA™01D100	PP-108-2	NA	NA
CUP PUMP	PP-102-2	NA	NA
PU3000	PK - 103 - 2	NA	NA
PU3000	PK-103-3	NA	NA
QUATRO	PP-104-2	NA	NA
S3	PG-106-2	NA	NA
SFLOW™ 275 / 470	PG-108-2	NA	NA
XCITE™/ XCITE™ LIGHT	PG-107-2	NA	NA

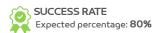


ALL OUR TRAINING COURSES IN FIGURES



Performance indicators October 2024 - September 2025





Level of complexity Training 1 2 3

NA = Not Applicable for the period

Inocoat Range Training

MODULE NAME	CODE	SATISFACTION RATE	SUCCESS RATE
INOCART RANGE	PG-006-2	NA	NA
FCR	PO-001-3	NA	NA
INOGUN A	PA - 003 - 2	98%	100%
INOGUN M	PG-005-2	98%	100%
INOBELL	PB-001-2	NA	NA
MCR & VCR	PO-002-2	NA	NA
MCR & VCR	PO-002-3	NA	NA
POWDER	GP-001-1	88%	100%
TCR	PO-003-3	NA	NA

Intec Range Training

MODULE NAME	CODE	SATISFACTION RATE	SUCCESS RATE
AUTOSTREAM	PD-104-3	NA	NA
1K VISUALIZATION IKS1	TA - 210 - 2	NA	NA
1K VISUALIZATION IKS1	TA - 211 - 2	NA	NA
2K VISUALIZATION IKS1	TA - 220 - 2	NA	NA
2K VISUALIZATION IKS1	TA - 221 - 2	NA	NA
1K/2K VISUALIZATION IKS1	TA - 230 - 2	NA	NA
MECHANICS & ELEC.	TA - 100 - 1	NA	NA
MECANICAL	TA - 110 - 1	NA	NA
MULTIPOINT	TA - 280 - 2	NA	NA
SCOPE VIEW	TA - 310 - 3	NA	NA
TROUBLESHOOTING	TA - 320 - 3	NA	NA
TWINCAT3	TA - 300 - 3	NA	NA
WORKSHOP	TA - 330 - 3	NA	NA



Systems Training

MODULE NAME	CODE	SATISFACTION RATE	SUCCESS RATE
AUTOMATISM	SL - 104 - 3	NA	NA
AUTOMATISM	SP - 004 - 3	NA	NA
BC5000	TA - 200 - 2	NA	NA
CLEANER	TA - 240 - 2	NA	NA
EASYTRAJ 3D	SL-103-3	95%	100%
INSTALLATION	SL-100-1	NA	NA
INSTALLATION	SL - 101 - 2	NA	NA
INSTALLATION	SL - 102 - 2	98%	100%
INSTALLATION	SL - 105 - 2	NA	NA
INSTALLATION	SL-106-1	NA	NA
INSTALLATION	SP-000-1	NA	NA
INSTALLATION	SP-001-2	NA	NA
INSTALLATION	SP - 002 - 2	NA	NA
INSTALLATION	SP-006-1	NA	NA
TYPE START-UP	SL - 107 - 3	NA	NA





Multi-range Training

MODULE NAME	CODE	SATISFACTION RATE	SUCCESS RATE
PAINT	GC-100-1	NA	NA



THE REFERENT TRAINERS



Thibault VOYEUX
Technical trainer

After working for a decade in quality services and production methodology, Thibault Voyeux became a trainer in 2018 in agricultural and civil engineering machinery maintenance, and later in automotive after-sales service. He joined Sames in 2024 as a technical trainer within the company.



sames 5 nanocoat



sames 5 inocoat



Antony MUTOMBO
Technical trainer

With significant experience in automation and industrial mechanics, Antony turned to adult training, a field in which he now excels. A specialist in designing programs tailored to the needs of professionals, he trains technicians, engineers and trainers alike, bringing practical expertise and a pedagogy focused on efficiency. As a former technician, he understands the realities of the field and knows how to pass on his knowledge in an accessible and relevant way, thus promoting the development of his learners' technical and pedagogical skills.



sames 5 kremlin



Michael Schmidt
Technical trainer

Michael Schmidt joined iNTEC in 2018 and has since been responsible for setting up and implementing all training courses for high-viscosity applications. Previously, he gained many years of experience as a team leader of production and quality assurance in the field of dosing technology as well as in the field of service/project management, also in the automotive sector.



sames 5 intec



TRAINING CENTERS

Our training centers combine theory and practice, making it possible to energize sessions on complex subjects requiring sustained attention.

They offer technical training for customers wishing to master the preventive maintenance of Sames equipment in the following ranges:

- Inocoat (powder)
- Nanocoat (liquid)
- Kremlin (guns, pneumatic pumps, mixing and dosing systems)
- Intec (High viscosity)



MEYLAN TRAINING CENTER

Expert in the product ranges:











Theoretical training room

- 20 m² dedicated to training
- Ideally accommodates 5 trainees
- 75" 5K wifi screen
- Remote connection module for online training, with interactive sharing capability



Practical exercise area

- 36 m² dedicated to training
- 3 maintenance workbenches for dismantling equipment from the various Sames ranges
- 2 test benches for parameterizing BSC300 turbine speed control modules and GNM200 and GNM300 high-voltage generators
- 1 operational Yaskawa robot, equipped with an Accubell 709 Evo sprayer and its docking rinsing box, provides complete maintenance identical to that carried out on customer sites



STAINS TRAINING CENTER

Expert in the product range:





sames 5 kremlin

Theoretical training room

- 40 m² dedicated to training
- Ideally accommodates 10 stagiaires
- Écran 75" 5K wifi
- Remote connection module for online training, with interactive sharing capability



Practical exercise area

- 20 m² dedicated to training
- Maintenance workbenches for dismantling equipment from the various Sames ranges
- 1 test bench for setting up the Cyclomix Evo system
- When it comes to preventive maintenance and complex dismantling operations, the proximity of the after-sales service enables us to provide a wider range of technical information

ERFTSTADT TRAINING CENTER

Expert in the product range:



sames 5 intec



Theoretical training room

- 40 m² dedicated to training
- Ideally accommodates 10 trainees
- 85" 4K Samsung Flipchart
- Remote connection module for training that can be shared online.



Practical exercise area

- 20 m² dedicated to training
- FANUC 270F robot
- XX test benches for parameterizing BSC300 turbine speed control modules and GNM200 and GNM300 high-voltage generators.
- Possible applications:
 - 1K Standard, BI, AirSpray, E-Swirl, Twin
 - 2K static and dynamic



TRAINING LEVELS & CODIFICATION

PG-104-1

The training will provide you with a fundamental awareness on a technology or a product.

Level

PG-104-2

MAINTENANCE The training will provide you with both theoretical knowledge and practical exercices on a product.

Level

PG-104-3

CONFIGURATION

FUNDAMENTAL

The training will provide you with advanced knowledge & system configuration skills.

Level

MODULE TYPE SUB-CATEGORY **G** General

A Airspray, Airmix®, Airless®

Chemical, Paints C **E** Electrostatic

Powder

S Safety

Product .

Α Auto guns

В Bells

D Dosers

G Manual guns

K Multi-component

Option accessories

Р Pumps

R Robots

TA INTEC

System.

Liquid paint application

Powder application

SE Services

1 Line audits

2 Maintenance

3 Laboratories

4 After-sales

NUMBER

000 to 99

for Powder applications

100 to 199

for Liquid applications

How to choose the right training course?

is to help you choose the most suitable training for your needs.

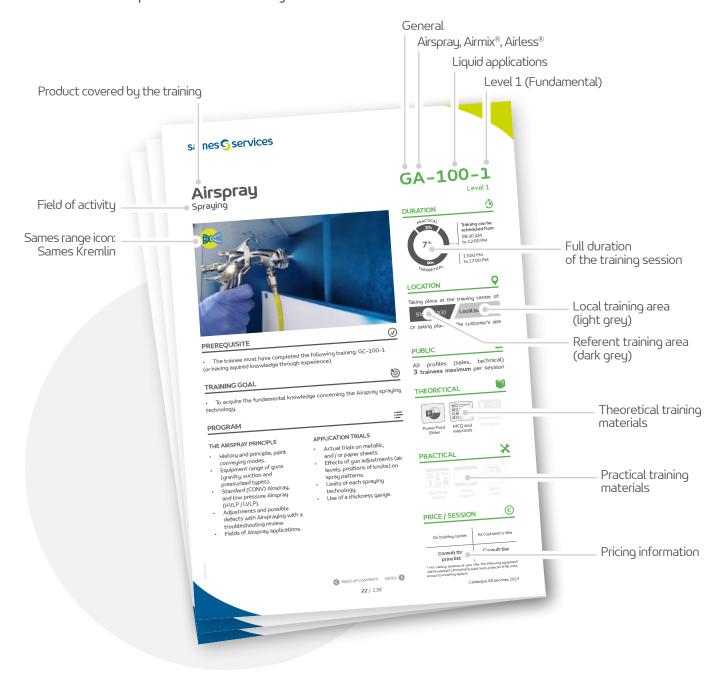
An associated module sheet is available on request, bringing details for each training course: The objectives, the content of the program, the teaching aids uour choices.



TRAINING LEVELS & CODIFICATION

Training catalog pages

The training offers and programs in this catalog have been carefully classified. See below for an explanation of each heading.



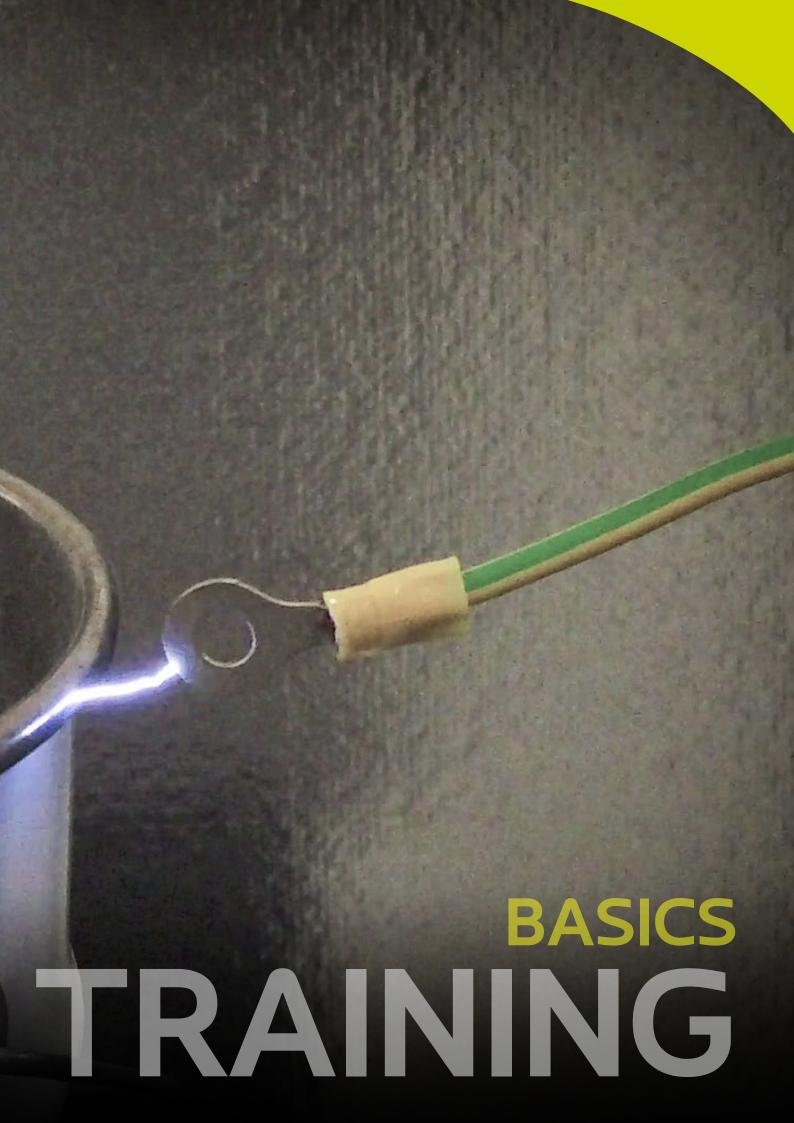


NOTES



NOTES







Airspray Spraying



PREREQUISITE

• The trainee must have completed the following training: GC-100-1 (or having aguired knowledge through experience).

TRAINING GOAL



• To acquire the fundamental knowledge concerning the Airspray spraying technology.

PROGRAM

=

THE AIRSPRAY PRINCIPLE

- History and principle, paint conveying modes.
- Equipment range of guns (gravity, suction and pressurized types).
- Standard (CONV) Airspray, and low pressure Airspray (HVLP / LVLP).
- Adjustments and possible defects with Airspraying with a troubleshooting review.
- Fields of Airspray applications.

APPLICATION TRIALS

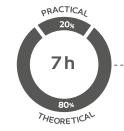
- Actual trials on metallic, and / or paper sheets.
- Effects of gun adjustments (air levels, positions of knobs) on spray patterns.
- Limits of each spraying technology.
- Use of a thickness gauge.

GA-100-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point

MCQ and

Memento

PRACTICAL









Technical poster

Video

case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Airmix®

Spraying



PREREQUISITE



- The trainee must have completed the following training: GA-102-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOAL



• To acquire the fundamental knowledge concerning the Airmix® spraying technology.

PROGRAM

=

THE AIRMIX® PRINCIPLE

- The Airmix® principle.
- Comparison between Airmix[®] and Airless[®].

POSITIONING AND TRANSFER RATE OF AIRMIX®

- Transfer rate of Airmix[®].
- Transfer rate and particules speed.

STANDARD CONSTITUTION IN MANUAL APPLICATION

 The association of a gun and a paint pressurisation pump.

THE XCITE™ GUN

The Airmix[®] Xcite[®]+ gun.

THE VX24 AIRCAP AND AIRMIX® NOZZLES

- VX24 aircap.
- Adjustment of the spraying spurt.
- · Adjustment of the spurt height.
- Standard Airmix® nozzles.
- Fine finish Airmix® nozzles.

THE AUTOMATIC GUNS

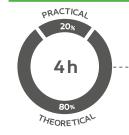
 The ATX / AVX sprayers and their differences.

GA-101-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical ooster

Video

case



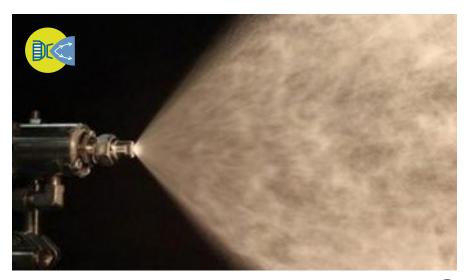
On training center	At customer's site
Consult the price list	Consult the orice list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Airless®

Finish & protective Spraying



PREREQUISITE

 \bigcirc

Basic notions about general physics and arithmetics.

TRAINING GOAL



• To acquire the fundamental knowledge concerning the Airless® spraying technology.

PROGRAM



THE AIRLESS® PRINCIPLE

- The Airless® principle.
- General physical values.
- Pressures and spurts homogeneity.
- Constitution of a basic equipment.

FLAT NOZZLES AND REVERSIBLE NOZZLES

- Flat spurt nozzles.
- Flat spurt nozzles's chart.
- The diaphragms.
- The reversible nozzles.

AUTOMATIC SPRAYING

HP sprayers for automatic systems.

SKILL™ NOZZLES

- SKILL™ nozzles for HP automatic sprayers.
- The advantages about SKILL™ nozzles.
- The construction of the nozzle.
- $SKILL^{\mathsf{TM}}$ nozzles / codification.
- SKILL™ nozzles's chart.

FILTRATION AND PRESSURE DROPS

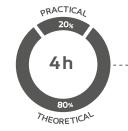
- The filtration chain of an Airless® system.
- Pressure drops.
- Simplified calculation for pressure drops determination with graph.
- Required pressures.

GA-102-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point

MCQ and

Memento

PRACTICAL









poster

Video

case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Paint

Knowledge



PREREQUISITE

Basic academic knowledge of arithmetic and general physics.

TRAINING GOAL

Acquire basic knowledge about painting.

PROGRAM

KNOWLEDGE OF ONE- AND TWO-COMPONENTS PAINTS

- Paint constituents, viscosity, dry extract.
- Constraints on the application of paints: temperature, humidity and dew point influences.
- Review of paint technical data sheets.
- Calculations of proportions in bi and tri-components.
- Use of rules and proportion cups.
- Use of the method via weighing, with identical and different densities.

GC-100-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:



Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC

(g)



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



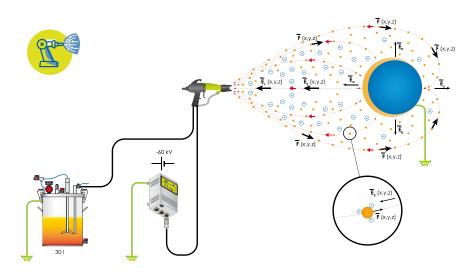
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Electrostatic

Application



PREREQUISITE

Basic notions about general physics and chemistry.

TRAINING GOALS



 \bigcirc

- To know the principles of electrostatic.
- · Define the parameters influencing the electrostatic force.
- To know the different types of charge.
- Define and alert on the precautions of use.

PROGRAM



INTRODUCTION TO ELECTROSTATIC

Fundamental principles.

ELECTROSTATIC APPLIED TO THE PAINT

Parameters characterizing the force.

THE FIELD

Parameters characterizing the field.

THE CHARGE

Different types of charges.

GE-100-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo



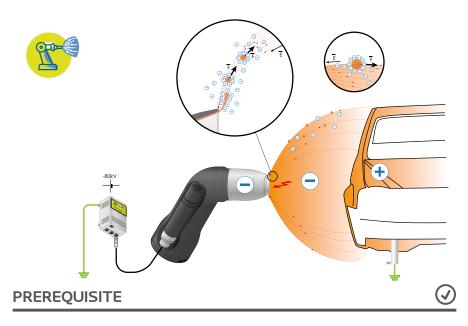
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished 6 quiet room, projector 6 flip chart, access to a training system.



Bell cup

Application



Academic background in physics and chemistry.

TRAINING GOALS

- 1
- To know the principle of forming the paint film by rotating bel cup.
- · To define the parameters influencing the application.
- To know the different types of electrical charges.
- To know the risks inherent in the electrostatic process.
- · To know how to recognize defects and their origin.

PROGRAM

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GENERAL APPLICATION

- Film formation in the bell cup.
- Film thickness at the edge.
- Droplet formation.
- Size of fillets / droplets.
- Distribution of droplet sizes.
- Granulometry synthesis.
- Forces exerted on the droplet.
- Internal load.
- External charge.
- Transport of the drops.
- Rotation effect.

DURATION



Level 2



Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

GE-100-2

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case

PRICE / SESSION



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.

SAFETY - ELECTROSTATIC

Risk of electric shock.

Main aspect defects.

Lineage, overlapping,

Marbling, homogeneity.

overlapping impact.

Colorimetry.

On thickness / edge stitching.

Faraday cage, penetration.

Risk of ignition.

PRACTICAL EXAMPLES



Robotic

Application



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS



- To know the painting process.
- To know the norms and regulations safety concerning the painting environment.
- To know the notions of electrostatic and the electrostatic application with a rotating bell cup.
- To know the application settings.
- To know how to recognize the application defects.

PROGRAM

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GENERAL PRESENTATION

- Body painting process.
- Bumper painting process.
- Norms and safety regulations.
- · Customer expectations.
- Sames range.
- The paint.

- Electrostatic concept.
- Electrostatic application with rotating bell cup.
- The application settings.
- How to prepare an application test.
- Paint application failure.

GE-101-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



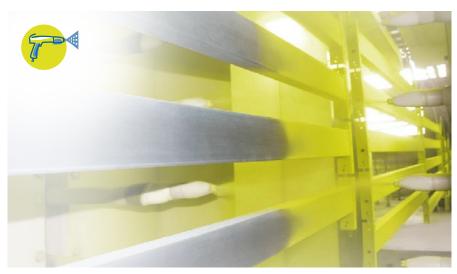
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Powder

Thermosetting powder application



PREREQUISITE



Basic academic knowledge of arithmetic and general physics.

TRAINING GOAL



 ${}^{\bullet}$ To acquire fundamental knowledge about thermosetting powder application.

PROGRAM



THERMOSETTING POWDER COATING

- History.
- Powder coating.
- The components of a powder coating.
- Nature of powders.
- Powder manufacturing process.
- Particle size.
- Coating thickness.
- Drying of powder coatings.
- Why use powder coating?

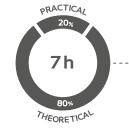
- Electrostatic application.
- Powder installation.
- Electrostatic powder coating equipment.
- Defects.
- Powder process optimisation.
- Preventive maintenance plan.
- Equipment checklist.
- Maintenance faults.
- Preventive maintenance.

GP-001-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and exercices

Memento

PRACTICAL









Technical poster

Video

Demo case



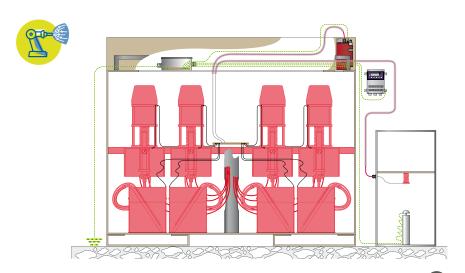
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



HT Hydro

Connections



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS



- Present the good practices of installation for a water soluble, water dilutable, or conductive not inflammable paint antenna.
- To learn the rules allowing the appropriate fitting for HT Hydro connections.

PROGRAM

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IMPORTANT INFORMATION

- Ground connections and equipotentiality.
- Discharge time.

INSTALLATION RULES

- Installation outline with the insulating array.
- Installation outline with the CPH 301/2 pump.

HIGH TENSION CABLES

- Ground resumption: Necessary equipment.
- High Tension cable preparation.
- High Tension cables connections.
- Ground connections for High Tension cables.

THE DISTRIBUTOR

- Necessary equipment.
- Assembly of the HT distributor.

GS-101-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









poster

Video

case



On training center	At customer's site
Consult the price list	Consult the price list

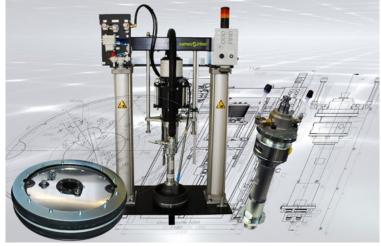
^{*} For training sessions at your site, the following equipment will be required: a furnished 6 quiet room, projector 6 flip chart, access to a training system.



Mechanics & Electrics

Basic principles





PREREQUISITE



None.

TRAINING GOAL



• During this training session, the basic principle, the functionality and the mechanical and electrical design of all components are explained in detail.

PROGRAM

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SYSTEM BASICS

System basics.

DESIGN AND FUNCTIONS OF BARREL PUMPS

- Inductive sensors and their significance.
- Pump control system.
- Pneumatic until.
- Follower plates.
- High pressure pump.
- Seal kits.

DESIGN AND FUNCTIONS OF 1K DOSING UNITS

- Dosing chamber.
- Inlet valve.
- · Outlet valve.
- Seal kits.

CIRCULATION LUBRICATION SYSTEM

BARREL CHANGE

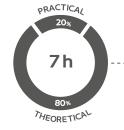
ELECTRICAL DESIGN OF THE CONTROL UNIT

TA-100-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) **6 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Handout

PRACTICAL









Training Cell

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

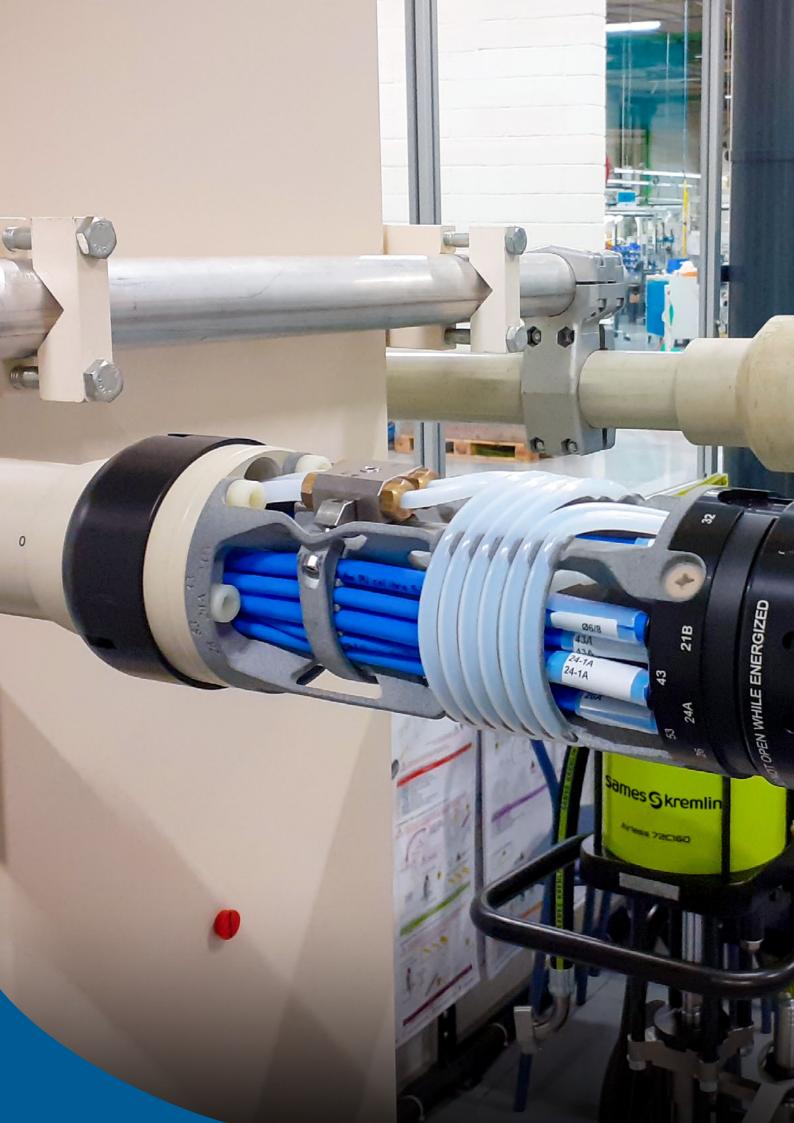
^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



NOTES



NOTES







Inogun A

Automatic gun



PREREQUISITE

 \bigcirc

- Knowledge of the automotive paint industry.
- This module is dedicated to integrators.

TRAINING GOALS



- To know the general functioning and principal components of the INOGUN A.
- To know the pressure values and appropriate air volume to use the spray correctly.
- To know how to dismantle and reassemble the spray, as well as the preventive maintenance program.
- To know the procedure and being able to identify problems for the INOGUN A.

PROGRAM

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CHARACTERISTICS

- Dimensions.
- · General characteristics.
- Compressed air quality.

FUNCTIONING

- · Electrical connections.
- Start-up.
- Installation.

MAINTENANCE

- Summarizing maintenance chart.
- Preventive maintenance.
- Corrective maintenance.

FAULTS AND SPARE PARTS

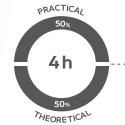
- · Failures search.
- Spare parts listing.

PA-003-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



A25 Flowmax®

Automatic gun



PREREQUISITE

- \bigcirc
- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- ${}^{\bullet}$ $\,$ To know the use types, the operating procedure, the components of the A25F.
- To know the pressure and air volume values for an optimal A25F functioning.
- To know how to disassemble and reassemble an A25F and the operations / frequency of the preventive maintenance.

PROGRAM

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SPECIFICATIONS

- Description.
- Technical characteristics.

PARAMETERS AND USE

- Functioning.
- · Parameters.
- Use of the gun.

DAILY UPKEEP

- Product circuit rinsing.
- Gun cleaning.
- Aircap cleaning.

INSTALLATION STANDSTILL

 Less than 3 hours standstill and long duration standstill.

DISASSEMBLY & REASSEMBLY

- Gun replacement.
- Needle and impermeability cartridge replacement.

PA-101-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



A28, A29, A3

Automatic gun



PREREQUISITE

- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- Acquire the fundmental knowledge about the pneumatic spraying
- Understand the Sames dedicated brochures.

PROGRAM

THE AUTOMATIC SPRAYERS

- Functioning principle.
- Range presentation of the A28 HPA, A29 HPA, A29 HTI and A3 HPA models.
- Standard sprayings and low pressure sprayings (HVLP / LVLP).
- Parameters and possible faults during application.

AIRSPRAY SPRAYING TESTS. IN THE TEST BOOTH

- Painting preparation, viscosity set-up.
- Paint spraying with manual pneumatic guns on paper sheet and / or slabs.
- Deduced impacts of parameters.
- Controls of the deposit thickness / usage of a wet film gauge.

PA-102-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) 3 trainees maximum per session

THEORETICAL









Power Point

MCQ and

PRACTICAL











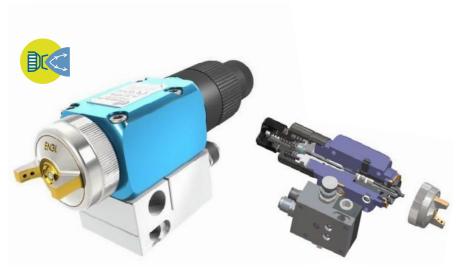
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



A35

Automatic gun



PREREQUISITE

- $\langle v \rangle$
- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- To know the use types, the operating procedure, the components of the A35.
- To know the pressure and air volume values for an optimal A35 functioning.
- To know how to disassemble and reassemble an A35 and the operations / frequency of the preventive maintenance.

PROGRAM

SPECIFICATIONS

- Description.
- Technical characteristics.

PARAMETERS AND USE

- Functioning.
- Parameters.
- Use of the gun.

INSTALLATION STANDSTILL

 Less than 3 hours standstill and long duration standstill.

DISASSEMBLY & REASSEMBLY

- Gun replacement.
- Needle and impermeability cartridge replacement.

SPARE PARTS

A35.

PA-103-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



ATX & AVX

Automatic gun



PREREQUISITE

- \bigcirc
- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- To know the use types, the operating procedure, the components of the ATX-AVX.
- To know the pressure and air volume values for an optimal ATX-AVX functioning.
- To know how to disassemble and reassemble an ATX-AVX and the operations / frequency of the preventive maintenance.

PROGRAM

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THE AIRMIX® SPRAYING

- Description.
- Technical characteristics.

PARAMETERS AND USE

- Functioning.
- Parameters.
- Use of the gun.

INSTALLATION STANDSTILL

 Less than 3 hours standstill and long duration standstill.

DISASSEMBLY & REASSEMBLY

- Gun replacement.
- Needle and impermeability cartridge replacement.

SPARE PARTS

ATX-AVX.

PA-104-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



TRP501 / TRP502

Automatic gun



PREREQUISITE

- \bigcirc
- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- To know the use types, the operating procedure, the components of the TRP501/TRP502.
- To know the pressure and air volume values for an optimal TRP501 / TRP502 functioning.
- To know how to disassemble and reassemble a TRP501 / TRP502 and the operations / frequency of the preventive maintenance.

PROGRAM

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DESCRIPTION

- Functioning principle.
- Fluids diagram.
- Technical characteristics.

PARAMETERS AND INSTALLATION

- RT6180 parameters.
- The sprayers's installation.
- Assembly of the air enterings on the power supply.

- Earthing of the parts to paint.
- Starting and stopping procedures.

ASSEMBLY & DISASSEMBLY

- TRP Aircap.
- Power supply.
- Regulator.
- Cleaning.
- Troubleshooting.

PA-112-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical ooster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Inobell

Bell cup sprayer



PREREQUISITE

Knowledge of the automotive powder paint industry.

TRAINING GOALS

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- \bullet $\:$ To identify the different components of the INOBELL and to know how to connect the equipment with installation.
- To know how to disassemble and reassemble the INOBELL.
- To know the operations as well as the frequency of preventive maintenance.
- To know how to analyze fault messages on the CRN 458 module.

PROGRAM

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HEALTH AND SAFETY INSTRUCTIONS

- Configuration of the certified equipment.
- Marking on the projector.
- Precautions for use.
- Warnings.
- Important recommendations.
- Warranty.

DESCRIPTION

Main components.

- Function of the different elements.
- Technical specifications.

INSTALLATION

- Installation of the INOBELL.
- Connections.

MAINTENANCE

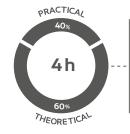
- Maintenance summary table.
- Preventive maintenance.
- Corrective maintenance.

PB-001-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical ooster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



PPH308

Bell cup sprayer



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS



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- To know the general functioning and principal components of the PPH 308.
- To know the pressure and air volume values for an optimal use of the PPH 308 sprayer.
- To know how to dismantle and reassemble a PPH 308 sprayer and its associated preventive maintenance program.
- To know the test procedure and to be able to identify problems on the PPH 308 sprayer.

PROGRAM

GENERAL PRESENTATION

- Presentation of the sprayer.
- Using the PPH 308 sprayer.
- Component's description.

TECHNICAL CHARACTERISTICS

Technical characteristics.

FUNCTIONING

General principle of functioning.

MAINTENANCE

- Maintenance tools.
- · Disassembly and reassembly.
- Maintenance and cleaning.

INSTALLATION RULES

 Assembly of the PPH 308 (integrator package).

TEST PROCEDURE

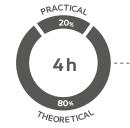
The PPH 308's tests.

PB-101-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical

Video

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



PPH707SB

Bell cup sprayer



PREREQUISITE

 \bigcirc

Knowledge of the automotive paint industry.

TRAINING GOALS



- To know the general functioning and principal components of the PPH 707 SB.
- To know the pressure and air volume values for an optimal use of the PPH 707 SB sprayer.
- To know how to dismantle and reassemble a PPH 707 SB sprayer and its associated preventive maintenance program.
- To know the test procedure and to be able to identify problems on the PPH 707 SB sprayer.

PROGRAM

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GENERAL PRESENTATION

- Presentation of the sprayer.
- How to use the PPH 707 SB.
- Component's description.

TECHNICAL CHARACTERISTICS

Technical characteristics.

SAFETY WARNING

Safety and the PPH 707 SB.

FUNCTIONING

General functioning principle.

MAINTENANCE

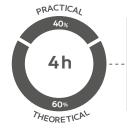
- Maintenance tools.
- Disassembly and reassembly.
- Maintenance and cleaning.

PB-104-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



PPH707 EXT

Bell cup sprayer





PREREQUISITE



Knowledge of the automotive paint industry.

TRAINING GOALS



- To know the general functioning and principal components of the PPH 707 EXT.
- To know the pressure and air volume values for an optimal use of the PPH 707 EXT sprayer.
- To know how to dismantle and reassemble a PPH 707 EXT sprayer and its associated preventive maintenance program.
- To know the test procedure and to be able to identify problems on the PPH 707 EXT sprayer.

PROGRAM

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GENERAL PRESENTATION

- Presentation of the sprayer.
- How to use the PPH 707 EXT.
- Component's description.

TECHNICAL CHARACTERISTICS

Technical characteristics.

SAFETY WARNING

Safety and the PPH 707 EXT.

FUNCTIONING

General functioning principle.

MAINTENANCE

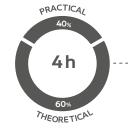
- Maintenance tools.
- Disassembly and reassembly.
- Maintenance and cleaning.

PB-105-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



PPH707 2K MT

Bell cup sprayer



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS



- To define the application domain of the PPH 707 2K MT.
- To know the operating procedure of the PPH 707 2K MT.
- To identify the PPH 707 2K MT main components.
- To know the pressure and air volume values for an optimal PPH 707 2K MT functioning.

PROGRAM

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TECHNOLOGY

- PPH 707 2K MT's technology.
- Power supply.

GENERAL PRESENTATION

- General presentation of the PPH 707 2K MT.
- Components description.

FLUIDS DIAGRAM

Fluids diagram of the PPH 707 2K MT 1H and 3H.

TECHNICAL CHARACTERISTICS

Technical characteristics.

SAFETY

Safe application.

MAINTENANCE

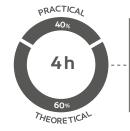
- Maintenance tools.
- Disassembly and reassembly.
- Maintenance and cleaning.

PB-106-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) 3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

PRACTICAL











On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished ${\it \& E}$ quiet room, projector ${\it \& E}$ flip chart, access to a training system.



Accubell709 EVO

Bell cup sprayer



PREREQUISITE

- Knowledge of the automotive paint industry.
- This module is dedicated to integrators.

TRAINING GOALS



- To know the functioning principle of the ACCUBELL 709 EVO sprayer.
- To know the preventive and corrective maintenance.
- To know the parameters that influence the application.

PROGRAM

GENERAL PRESENTATION

- The sprayer's composition.
- Electro-pneumatic & process arm cabinet.
- The pneumatic diagram explained.

PRINCIPAL FUNCTIONS

- The spraying.
- The electrostatic force.
- The impact modification.
- The spurt's penetration.
- Fluid circuits.



DURATION

PRACTICA,

14h

THEORETICAL

LOCATION

Meylan (38)

Maintenance, method, operator 3 trainees maximum per session

Taking place at the training center of:

Or taking place at the customer's site

PB-110-2

Level 2

Training can be scheduled from 08:30 AM to 12:00 PM

and from 13:00 PM to 17:00 PM

Local subsidiary

THEORETICAL









Power Point

MCQ and

PRACTICAL









Video support

PRICE / SESSION



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.

DETAILED FUNCTIONS

- The different types of bell cups and use cases.
- Pattern modification and penetration of spray.
- The different types of shaping air assemblies and use cases.
- Diagram and functioning principle at the quick disconnect plate assembly.

MAINTENANCE

- Maintenance tools.
- Disassembly and reassembly. Maintenance and cleaning.



Nanobell2

Bell cup sprayer



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS

- To know the use cases of the NANOBELL 2.
- To know the operating procedure of the NANOBELL 2.
- To identify the NANOBELL 2's components.
- To know the pressure as well as the air volume values for an optimal NANOBELL 2 functioning.
- To know the operations and the frequency of the preventive maintenance for the NANOBELL 2.

PROGRAM

GENERAL PRESENTATION

- General architecture.
- Use cases.
- Description of the components.

TECHNICAL CHARACTERISTICS

- Hollow wrist's dimension.
- Filled wrist's dimension.
- Functional characteristics.

OPERATIONS

General functioning principle.

MAINTENANCE

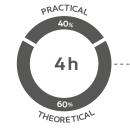
- Maintenance tools.
- Assembly and disassembly.
- Maintenance and cleaning.
- Troubleshooting.

PB-111-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

 (\checkmark)

(3)



All profiles (sales, technical) 3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

PRACTICAL









Technical



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Nanobell801

Bell cup sprayer



PREREQUISITE

 \bigcirc

- Knowledge of the automotive paint industry.
- This module is dedicated to integrators.

TRAINING GOALS



- ${}^{\bullet}$ $\,$ To know the functioning principle of the NANOBELL 801 sprayer and its main components.
- ${}^{\bullet}$ $\,$ To know the pressure as well as the air volume values for an optimal NANOBELL 801 functioning.
- To know how to disassemble / reassemble a NANOBELL 801 and the associated preventive maintenance program.
- To know the test procedure and to be able to identify problems on the NANOBELL 801.

PROGRAM

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GENERAL PRESENTATION

- Presentation of the application domain
- Global review of the NANOBELL 801.
- Description of the components.
- Fluid circuit's diagram analysis.

TECHNICAL CHARACTERISTICS

- Technical characteristics.
- General functioning.

MAINTENANCE

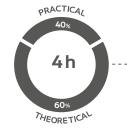
- Maintenance program.
- Maintenance tools.
- Disassembly and reassembly.

PB-112-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



PPH707 EXT i

Bell cup sprayer



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS



- To know the functioning principle of the PPH 707 EXT i sprayer and to identify its components.
- $\bullet\,$ To know the pressure and air volume values for an optimal PPH 707 EXT i functioning.
- To know how to disassemble / reassemble a PPH 707 EXT i and the associated preventive maintenance program.
- To know the test procedure and to be able to identify problems on the PPH 707 EXT i.

PROGRAM

=

GENERAL PRESENTATION

- Presentation of the sprayer.
- How to use the PPH707 EXT i.
- Description of the components.

TECHNICAL CHARACTERISTICS

Technical characteristics.

SAFETY WARNING

Safety and the PPH 707 EXT i.

FUNCTIONING

General functioning principle.

MAINTENANCE

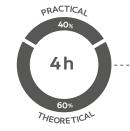
- Maintenance tools.
- Disassembly and reassembly.
- Maintenance and cleaning.

PB-113-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Nanobell803

Bell cup sprayer



PREREQUISITE

 \bigcirc

- Knowledge of the automotive paint industry.
- This module is dedicated to integrators.

TRAINING GOALS



- $\bullet\,$ To know the functioning principle of the NANOBELL 803 sprayer and its main components.
- ${}^{\bullet}$ $\,$ To know the pressure as well as the air volume values for an optimal NANOBELL 803 functioning.
- To know how to disassemble / reassemble and the associated preventive maintenance program.
- To know the test procedure and to be able to identify problems on the NANOBELL 803.

PROGRAM

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GENERAL PRESENTATION

- Presentation of the application domain.
- Global review of the NANOBELL 803.
- Description of the components.
- Fluid circuit's diagram analysis.

TECHNICAL CHARACTERISTICS

- Technical characteristics.
- General functioning.

MAINTENANCE

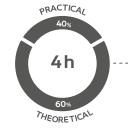
- Maintenance program.
- Maintenance tools.
- Disassembly and reassembly.

PB-114-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Nanobell805

Bell cup sprayer



PREREQUISITE

 \bigcirc

- Knowledge of the automotive paint industry.
- This module is dedicated to integrators.

TRAINING GOALS



- $\bullet\,$ To know the functioning principle of the NANOBELL 805 sprayer and its main components.
- ${}^{\bullet}$ $\,$ To know the pressure as well as the air volume values for an optimal NANOBELL 805 functioning.
- To know how to disassemble / reassemble and the associated preventive maintenance program.
- To know the test procedure and to be able to identify problems on the NANOBELL 805.

PROGRAM

:

GENERAL PRESENTATION

- Presentation of the application domain.
- Global review of the NANOBELL 805.
- Description of the components.
- Fluid circuit's diagram analysis.

TECHNICAL CHARACTERISTICS

- Technical characteristics.
- General functioning.

MAINTENANCE

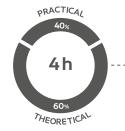
- Maintenance program.
- Maintenance tools.
- Disassembly and reassembly.

PB-115-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical ooster

Video support

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Autostream

VOLUREX doser control unit



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOAL

• Acquire the fundamental knowledge about the VOLUREX doser, associated to the AUTOSTREAM control unit.

PROGRAM

THE VOLUREX DOSER

- Constitution and functioning principle.
- The different types of thick products deposits.
- Chamber dimensions choice 8 theoretical calculation for cords volumes.

THE AUTOSTREAM CONTROL UNIT

- Review of the general functioning configuration.
- Creation and configuration of a « part code ».
- Creation and configuration of a « cord » segment.

AUTOMATED APPLICATION MODE

- Start-up of the AUTOSTREAM control unit.
- Calibration procedure to determine the maximal product flow.
- Complete manipulations of the VOLUREX manual mode.
- Manipulations of the control unit / VOLUREX doser, via automated cords deposits.
- Manipulations of the control unit / VOLUREX doser, for spiral cords deposits (fiberization mode).

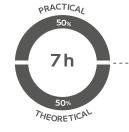
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PD-104-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC

(2)



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Inogun M

Manual gun



Knowledge of the powder paint industry.

TRAINING GOALS



- To identify the different components of the INOGUN M gun and to know how to connect the equipment to the installation.
- To know how to disassemble / reassemble a INOGUN M gun.
- To know the operations and the frequency of the gun's preventive maintenance.
- To know how to analyse the faults messages on the INOBOX module.

PROGRAM



REGULATIONS, SAFETY RULES AND WARRANTY

- Regulation.
- Safety rules.

CHARACTERISTICS

- General characteristics.
- Compressed air quality.
- INOBOX connections.

DESCRIPTION OF THE GUN AND THE COMMAND MODULE

 Available functions with the gun and the command module.

COMMAND MODULE'S MENUS

• INOBOX module's screens.

MAINTENANCE

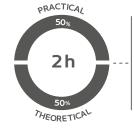
 Assembly and disassembly of the INOGUN M different components.

PG-005-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Inocart series

Powder coating cart



PREREQUISITE

Knowledge of the powder paint industry.

TRAINING GOALS



- To identify the different components of the Inocart and to know how to connect the equipment to the rest of the installation.
- To know the operations and the frequency of the Inocart preventive maintenance.
- To know how to analyse the faults messages on the Inobox module.

PROGRAM

DESCRIPTION

General and command interface presentation.

CHARACTERISTICS

- General characteristics.
- Pneumatic characteristics.

FUNCTIONING

- With vibrating table.
- With fluidised hopper.

INSTALLATION

- Vibrating table version.
- Fluidised hopper version.
- Connections with vibrating table (simple / double).
- Connections with fluidised hopper (simple / double).
- Connection with the Inogun and electrical plug.

USAGE OF THE E-JET2 CART

- Powder application.
- Tint switching.
- Vibrating table version.
- Fluidised hopper version.

PG-006-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) 3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

PRACTICAL











On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Nanogun+

Manual gun in Airmix & Airspray technologies



PREREQUISITE

None

TRAINING GOALS

- To know the operating principle of the NANOGUN.
- To know how to perform preventive and corrective maintenance.
- To know the parameters affecting the application.

PROGRAM

PRESENTATION OF THE RANGE

- Application domain.
- Description of the components.

MAINS FUNCTIONS

- Technical characteristics.
- The electrostatic force.

SAFETY APPLICATION

- Functioning.
- Spraying, pattern modification and spray penetration.
- The different types of nozzles and their use cases.

PREVENTIVE AND CORRECTIVE MAINTENANCE

- Maintenance tools.
- · Assembly and disassembly.
- Maintenance.
- Precautions to take.

PG-103-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:





Local subsidiary

Or taking place at the customer's site

PUBLIC

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(3)



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



FproManual gun



PREREQUISITE

- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



 \bigcirc

- To know the functioning principle of the FPRO gun.
- To know how to perform preventive and corrective maintenance.
- To know the parameters affecting the application.

PROGRAM



THE PNEUMATIC SPRAYING (AIRSPRAY / STANDARD AND LOW PRESSURE)

- History and functioning principle.
- Range presentation of FPRO equipments.
- Standard sprayings and low pressure sprayings (HVLP / LVLP).
- Parameters and possible faults during application.

AIRSPRAY SPRAYING TESTS, IN THE TEST BOOTH

- Painting preparation, viscosity set-up.
- Paint spraying with manual pneumatic guns on paper sheet and / or slabs.
- Deduced impacts of parameters.
- Controls of the deposit thickness / usage of a wet film gauge.

61 / 144

PG-104-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



S3 Manual gun



PREREQUISITE

- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- Acquire fundamental knowledge concerning pneumatic spraying technology.
- Understand the Sames dedicated brochures.

PROGRAM

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THE PNEUMATIC SPRAYING

- History and functioning principle.
- Range presentation of S3
 equipments (aspiration, gravity,
 pressurized) series A HPA, G
 HPA, G HTI, P HPA and P HTI.
- Standard sprayings and low pressure sprayings (HVLP / LVLP).
- Parameters and possible faults during application.

AIRSPRAY SPRAYING TESTS, IN THE TEST BOOTH

- Painting preparation, viscosity set-up.
- Paint spraying with manual pneumatic guns on paper sheet and / or slabs.
- Deduced impacts of parameters.
- Controls of the deposit thickness / usage of a wet film gauge.

PG-106-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Xcite®+ / Xcite®+ Light

Manual gun



Level 2





DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PREREQUISITE



Basic notions about general physics and arithmetics.

TRAINING GOALS



Acquire fundamental knowledge about the Airmix® technology.

PUBLIC



All profiles (sales, technical) 3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

PRACTICAL









PRICE / SESSION



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.

- Understand the Sames dedicated brochures.

PROGRAM

AIRMIX® SPRAYING

- Functioning principle.
- The Airmix® Xcite™ gun.
- Study of Airmix® aircaps.
- Pump model determination (based on clients data concerning the spraying).
- Pressure losses.

AIRMIX® SPRAYING TESTS, IN THE **TEST BOOTH**

- Painting preparation, viscosity
- Paint spraying with manual pneumatic guns on paper sheet and / or slabs.
- Deduced impacts of parameters.
- Controls of the deposit thickness / usage of a wet film

63 / 144



Sflow[™] EVO275 / 470

Manual gun





PREREQUISITE

Basic notions about general physics and arithmetics.

TRAINING GOALS

- Acquire fundamental knowledge about the Airless® technology.
- Understand the Sames dedicated brochures.

PROGRAM

SPECIFICATIONS

- Description.
- Technical characteristics.
- Installation.

FUNCTIONING PRINCIPLE AND USAGE

- Functioning principle.
- Start-up.
- Gun usage.
- Less than 3 hours standstill.
- Long duration standstill.

chures.

MAINTENANCE

- Seat-holder replacement.
- Needle-cartridge line replacement.
- Spring replacement.
- Filter replacement.
- Nozzles disassembly.
- Hook replacement.
- HT generator and oscillator replacement.
- HT alimentation cable replacement.

PG-108-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC

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(3)



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Fstart

Manual gun with conv, HVLP & LVLP technologies







PREREQUISITE



Possible experience in mechanical servicing.

TRAINING GOAL



 To be in a position to maintain and service the FSTART guns, with paint application.

PROGRAM



DISASSSEMBLY / REASSEMBLY

 Manual procedure to replace seals, and other parts inside the guns.

SPRAYING SEQUENCE IN SPRAY BOOTH

Actual tests on metallic parts or wood or paper, in order to understand the effects of the FSTART gun adjustments.

PG-112-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance engineer

3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical ooster

Video support

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



PU3000

Mixing and dosing system





PREREQUISITE

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- Knowledge of the automotive painting industry.
- Having followed the GC-100-1, PG-105-2 to PG-108-2, PP-101-2 to PP-104-2 modules (or having aguired the level through experience).

TRAINING GOALS



- To acquire the fundamental knowledge about dosing units.
- To be able to start-up, operate and configure the PU 3000 unit.
- Understand the Sames dedicated brochures.

PROGRAM

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BI-COMPOSED PAINTS REMINDER

- Distiction between "lifetime in pot" and "practical use lifetime".
- Calculation according to "part" proportions of the bicomponents, from the paints technical data sheets.
- Moderation / correction of the ratio linked to the functionning mode of dosing units.

THE PU 3000

- Description.
- Technical characteristics.
- Installation.

IN TECHNICAL HALL

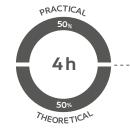
- Complete manipulation of the PU 3000 unit.
- Operating the unit.
- Dosage verification procedures.

PK-103-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



PU 3000

Mixing and dosing system





PREREQUISITE



- Knowledge of the automotive painting industry.
- Having followed the PK-103-2 module (or having aquired the level through experience).

TRAINING GOALS



- To acquire advanced knowledge on the PU 3000 dosage unit.
- To be able to retrieve an use intern statistical data.
- To know how to load a new program.

PROGRAM



IN TECHNICAL HALL

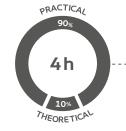
- Realisation of the procedure via « Hyperterminal » to retrieve statistical data on PC.
- Use of the « PicKit » device to load a new program.

PK-103-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished 6 quiet room, projector 6 flip chart, access to a training system.



Cyclomix™ Expert

Mixing and dosing system





PREREQUISITE

 \bigcirc

- Knowledge of the automotive painting industry.
- Having followed the PK-102-2 module (or having aquired the level through experience).

TRAINING GOALS



- To acquire advanced knowledge about the CYCLOMIX $^{\!\scriptscriptstyle{\mathrm{M}}}$ EXPERT electronical dosage unit.
- To know how to use the menus and configure the unit.

PROGRAM

i

GENERAL PRESENTATION

- Command case.
- Product connector board.
- Spraying air management.
- · Flush box.
- Deported command.
- Online filter + regulators.
- The different menus.

CONFIGURATION

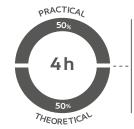
- Generalities.
- · Main menu.
- Production.
- « Recipe choosing » menu.
- « Machine parameters » menu.
- « Recipe parameters » menu.
- « Calibration » menu.
- « Ratio test » menu.
- « Fountain » menu.
- « Consumption » menu.
- · Alarms.

PK-104-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical ooster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished 6 quiet room, projector 6 flip chart, access to a training system.



Cyclomix[™] EVO

Mixing and dosing system





PREREQUISITE

Possible experience in mechanical commissioning & servicing

TRAINING GOALS

To be in a position to commission and service the Cyclomix Evo.

PROGRAM

THE CYCLOMIX EVO / PRODUCT PANEL CONSTITUTION AND **FUNCTIONS:**

- CTM blocks
- Filters
- Type of flowmeters
- Injection block
- Mixing device
- Gun connection block
- Options of panel configuration

THE CYCLOMIX EVO / USE OF THE HMI:

- Understanding of all the general setting screens
- Dosing control process
- Types of injections
- Types of flushing sequences
- Paint optimization and colour push processes
- Recipe setting
- Commissioning

PK-10X-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC

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(3)



Maintenance engineers (even beginners in spraying equipments) 3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

PRACTICAL









Technical

Video support



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Cyclomix[™] EVO

Mixing and dosing system







PREREQUISITE



Possible experience in mechanical commissioning & servicing

TRAINING GOALS



To be in a position to commission and service the Cyclomix Evo.

PROGRAM



THE CYCLOMIX EVO / USING THE HMI:

- Statistics download
- Program reload
- Use of smartphone application
- Use of the Evo configurator
- Troubleshooting review

PK-10X-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance engineers (even beginners in spraying equipments) 3 trainees maximum per session

THEORETICAL









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Technical

Video support



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



FCR

Control cabinet







PREREQUISITE

Knowledge of the powder paint industry.

TRAINING GOALS



 \bigcirc

- To know the differrent modules.
- · To know the different configurations.
- To know the operating modes.
- To be able to connect the cabinet.

PROGRAM

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GENERAL DESCRIPTION

- Description of the cabinet and the different modules.
- Presentation of the different configurations.

ELECTRICAL AND PNEUMATIC INTERFACES

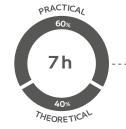
- External fittings of the cabinet.
- FCR module.
- MCR module.
- TCR and CRN modules.
- REV 800 module.

PO-001-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









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PRACTICAL









Technical poster

Video

case

PRICE / SESSION



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.

FUNCTIONING

mode.

Functioning principle.

different modules.

The different functions.

FAULT MESSAGES ANALYSIS

Messages explanation.

Description of the manual

The interaction between the



MCR & VCR

Control module



PREREQUISITE

Knowledge of the powder paint industry.

TRAINING GOALS



• To know how to realise the necessary connections and how to incorporate the module in a cabinet.

PROGRAM

INSTALLATION

- Description.
- MCR command module.
- VCR variator module.
- Characteristics.

FITTINGS

- Connection of the modules to the ground.
- Connection of the modules to the tension supply.
- Connection of the RVF robots on the VCR variator module.
- Connection of the spraying modules to the MCR command module.
- Connection between the MCR command module and the VCR variator modules.
- Connection of the interface with the command and variator modules environment.
- Spare parts.

PO-002-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

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(g)



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



MCR & VCR

Control module



PREREQUISITE

Knowledge of the powder paint industry.

TRAINING GOALS



- To know the different functions of the module.
- To know the different possible configurations and the associated screens settings.
- To know the operating modes.

PROGRAM

USE

- Main menu.
- Language selection.
- Faults menus.
- Display and faults reset.
- Production tracking.
- Manual mode.
- Cleaning mode.
- Automatic mode.
- Process configuration.

DURATION



Level 3

PRACTICAL Training can be scheduled from 08:30 AM 2h to 12:00 PM and from 13:00 PM to 17:00 PM THEORETICAL

LOCATION



Taking place at the training center of:

PO-002-3

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

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(B)



All profiles (sales, technical) 3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

PRACTICAL











On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.

- General commands.
- Spray-up tables Access.
- Spray-up tables Copy.
- Spray-up tables -Correction coefficients.
- Spray-up tables Mouvement parameters.
- Spray-up tables -Application parameters.



TCR

Control module



PREREQUISITE



Knowledge of the powder paint industry.

TRAINING GOALS



- To know the different functions of the module.
- To know the different possible configurations and the associated screens settings.
- · To know the operating modes.
- To know how to connect an INOBELL sprayer and incorporate the module in a cabinet.

PROGRAM



REGULATIONS, SAFETY RULES AND WARRANTY

- Safety rules.
- Signage slab on the modules.
- Warranty.

CHARACTERISTICS

- General electrical characteristics.
- General pneumatic characteristics.
- Compressed air quality.

FUNCTIONING

TCR module's connections.

COMMAND MODULE DESCRIPTION

 Available functions from the command module.

USE OF THE DIFFERENT MENUS ON THE COMMAND MODULE

Access to the CRN 458 screens.

PO-003-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Isocube

Insulating cabinet





PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS

- To know the general architecture of the ISOCUBE housing.
- To know how to connect the ISOCUBE housing.
- To explain the settings and functioning modes of the ISOCUBE housing.
- To know how to start up and use the ISOCUBE housing.

PROGRAM

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SAFETY

 Presentation of the safety components.

DESCRIPTION

 Description of the command and control elements.

FITTINGS

 Connection with the Airspray H2O NANOGUN.

START-UP

Settings and functioning modes.

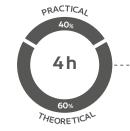
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PO-101-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:



Local

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished 6 quiet room, projector 6 flip chart, access to a training system.



Upside

Color change block for robotic



PREREQUISITE



TRAINING GOALS

- To identify the UPSIDE's main components.
- To know the different use configurations of the UPSIDE.
- To know the theoretical functioning of the UPSIDE.
- To know how to perform the preventive maintenance.
- · To see different use processes of the UPSIDE.

PROGRAM

GENERAL PRESENTATION

Description of the UPSIDE.

TECHNICAL CHARACTERISTICS

• The different configurations.

FUNCTIONALITIES

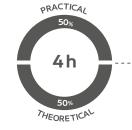
- The circuit's filling.
- The circuit's rinsing.

PO-107-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

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(3)



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case

PRICE / SESSION



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.

MAINTENANCE

Faults.

Maintenance tools.

Maintenance.

Disassembly and reassembly.



BSC 300

Turbine speed regulation unit





PREREQUISITE

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Knowledge of the automotive paint industry.

TRAINING GOALS



- To present the characteristics of the BSC 300 turbine control unit, its functions, and its different elements.
- To allow electrical and mechanical integration of the unit to replace the BSC 100 board.
- To explain the operating modes and configure the unit.
- To analyze the faults.

PROGRAM

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GENERAL PRESENTATION

 Characteristics of the BSC 300 turbine speed regulation unit.

THE MODULE'S ELEMENTS

- Display.
- Network communication module.

THE DEVICE'S FUNCTIONS

- Regulation functions.
- Frequency / Voltage converter.

OPERATING MODES

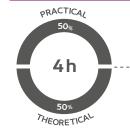
- Remote Display.
- Remote Mode / Local Mode.
- Start and change of set point.
- Stop phase.
- Brake action.
- On speed and under speed.
- Reading pressures.
- First start.
- Configuration of the unit.
- Maintenance.

PO-109-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









Power Point Slides

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Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



GNM 300

High Voltage generator unit







PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS



- To present the characteristics of the GNM 300 High Voltage control unit, its functions, and its different elements.
- To allow electrical and mechanical integration of the unit to replace the GNM 200 board.
- To explain the operating modes and configure the unit.
- To analyze the faults.

PROGRAM

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GENERAL PRESENTATION

 Characteristics of the GNM 300 High Voltage control unit.

THE MODULE'S ELEMENTS

- Display.
- Network communication module.

THE DEVICE'S FUNCTIONS

- · Regulation functions.
- Frequency / Voltage converter function.

OPERATING MODES

- Remote Display.
- Remote Mode / Local Mode.
- Start and change of set point.
- Reading pressures.
- First start.
- · Configuration of the unit.
- Maintenance.

PO-110-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









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Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



REV800

Installation control unit



PREREQUISITE

Knowledge of the paint / powder industry.

TRAINING GOALS

- To know the different functioning modes of the REV 800.
- To know the different setting parameters of the REV 800.
- To know how to configure the unit and analyze the faults messages.

DIAGRAMS AND CHARACTERISTICS

> The module's architecture. Rear view of the module.

General electrical installation

Electrical characteristics.

Dimensional characteristics.

Electrical fittings.

View of the module's

connections.

diagram.

PROGRAM

GENERAL PRESENTATION

- General architecture.
- News.
- Use.
- Principle diagram.
- Command concept.
- Main menu.

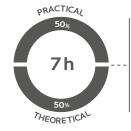
FUNCTIONING

- RFV configuration.
- Spray-up table configuration.
- Manual mode.
- Automatic mode.
- System configuration.

DURATION



Level 3



Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM

to 17:00 PM

LOCATION



Taking place at the training center of:

PO-111-3

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

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(g)



All profiles (sales, technical) 3 trainees maximum per session

THEORETICAL









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On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Cup pump

Hydraulic piston pump







PREREQUISITE

- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



 \bigcirc

- Acquire fundamental knowledge on Sames pneumatic piston pumps's technology.
- Being capable of starting, operating, and configuring the piston pumps.
- Understand the Sames dedicated brochures.

PROGRAM



PNEUMATIC PUMPS FOR FLUID PRODUCTS

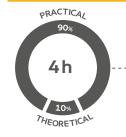
- Functioning principle for the 02C85, 04C240, 10C18, 10C50, 15C25, 15C50, 16C240, 20C100, 20C50, 30C25, 40C100, 40C260, 40C50, 53C124, 65C260, and 80C220 types of piston pumps.
- Air motors principles.
- Type C hydrolic sections.
- Pressure ratio (calculation method and use).
- A pump's flow.
- Choosing a pump model.

PP-102-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Flowmax[®]

Hydraulic piston pump







PREREQUISITE

- \bigcirc
- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- Acquire fundamental knowledge on Sames pneumatic pumps's technology.
- Being capable of starting, operating, and configuring the FLOWMAX® piston pumps.
- Understand the Sames dedicated brochures.

PROGRAM

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PNEUMATIC PUMPS FOR FLUID PRODUCTS

- Functioning principle of piston pumps, low and medium pressure, series 04F240, 08F240, PCS 04F440, PCS 08F440, PCS 06R440, PCS 03R440, 16F240, 17F60, 20F100, and PCS 20F440.
- Air motors principles.
- Type F and type R hydrolic sections.
- Pressure ratio (calculation method and use).
- A pump's flow.
- Choosing a pump model.

PP-103-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL









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PRACTICAL









Technical poster

Video

case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Quatro Ball pump







PREREQUISITE



- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- Acquire fundamental knowledge on Sames pneumatic ball pumps's technology.
- · Being capable of starting, operating, and configuring the QUATRO ball pumps.
- Understand the Sames dedicated brochures.

PROGRAM



PNEUMATIC PUMPS FOR FLUID PRODUCTS

- Punctioning principle for the PCS 03C2200, PCS 03C6000, PCS 05C3700, PCS 08C2200, and PCS 08C3700.
- types of ball pumps.
- Air motors principles.
- Type C hydrolic sections.
- Pressure ratio (calculation method and use).
- A pump's flow.
- Choosing a pump model.

PP-104-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









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PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



FCG

Gear pump



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS

- To know the main architecture of a Fast Clean Gear (FCG) pump.
- To know the theoretical functioning of the pump.
- To identify the pump's main components.

PROGRAM

GENERAL PRESENTATION

 FCG pump's general architecture.

FUNCTIONING

 Functioning of a volumetric pump.

DESCRIPTION

- The front flange.
- The bearing.
- The central chamber and the master gear.
- The rear flange.

PP-105-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM

to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

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(2)



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









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Memento

PRACTICAL









poster

Video

Demo case

PRICE / SESSION



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.

CHARACTERISTICS

Maintenance tools.

FCG pump only.

• Disassembly and reassembly.

General characteristics.

CONFIGURATIONS POSSIBILITIES

FCG pump equipped with a

REGULATOR

- Maintenance tools.
- Maintenance.



04D140/01D140

Membrane pump







PREREQUISITE

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Any experience in mechanical maintenance.

TRAINING GOALS



- \bullet Acquire fundamental knowledge concerning the Sames 04D140 / 01D140 membrane pumps's technology.
- $\bullet~$ Being capable of starting, operating, and configuring the 04D140 / 01D140 membrane pump.

PROGRAM



DISASSEMBLY & REASSEMBLY

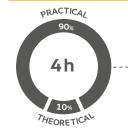
 Manual procedure for seals replacement and other parts of the pump.

PP-107-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance engineer

3 trainees maximum per session

THEORETICAL









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Memento

PRACTICAL









Technica

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Prima™ 01D100

Double Diaphragm pump





PREREQUISITE

- \bigcirc
- The trainee must have completed the following training: GC-100-1 (or having aquired knowledge through experience).
- Basic notions about general physics and arithmetics.

TRAINING GOALS



- Acquire fundamental knowledge on Sames pneumatic pumps's technology.
- Being capable of starting, operating, and configuring membrane pumps.
- Understand the Sames dedicated brochures.

PROGRAM

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THE PNEUMATIC SPRAYING

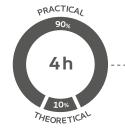
- Functioning principle for the Prima™ 01D100 double diaphragm pump
- Air motors principles.
- Pressure ratio (calculation method and use).
- A pump's flow.
- Choosing a pump model.
- Airspray spraying in the test booth.

PP-108-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Stains (93)

Local subsidiary

Or taking place at the customer's site

PUBLIC



All profiles (sales, technical) **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video support

Demo case



On training center	At customer's site
Consult the	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



RFV 2000

Robotic equipment







PREREQUISITE

Basic notions about general physics and arithmetics.

TRAINING GOALS



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- To define the general architecture of the equipment.
- To identify the assemblies's functions that compose the equipment.
- To associate to each function the coresponding equipments.
- To define the configuration and the operations of usual upkeep.

PROGRAM

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GENERAL PRESENTATION

- · Health and safety measures.
- Use domain and possibilities.
- Description.
- Characteristics and bulk.
- Unboxing.
- Installation.
- Loading the robot.

USUAL UPKEEP

- Mecanism.
- Preventive maintenance.

REPAIRS

 Incidents, causes and associated repairs.

POTENTIOMETER REPLACEMENT

 Angular tuning of the potentiometer.

SPARE PARTS

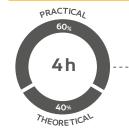
RVF 2000.

PR-101-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical noster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Mechanical system

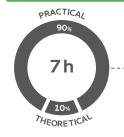
Practice

TA-110-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)



Or taking place at the customer's site*

PREREQUISITE



None.

TRAINING GOAL



This training covers the assembly and disassembly of seal sets in outlet



and inlet valve, glue chambers and the high pressure pump.

PROGRAM



ASSEMBLY AND REPLACEMENT

- Assembly of the individual components.
- Replacement of seal kits on inlet and outlet valves (S11), high pressure pump (224660) and dosing chamber (S13 B).
- Functions of the individual seals.

PUBLIC



Maintenance and operating staff 6 trainees maximum per session

THEORETICAL







Power Point

PRACTICAL









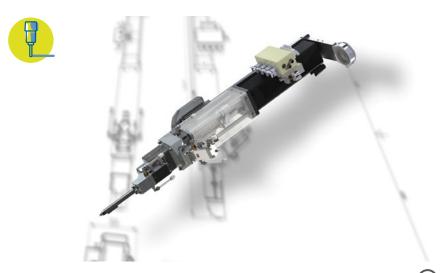


On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment is required: furnished & quiet room, projector & flip chart, standard tools, workbench with vise including vise jaws. There will be additional costs for shipping the training materials.



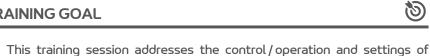
Operating personnel



PREREQUISITE

Previous participation in the TA-100-1 module.

TRAINING GOAL



the relevant user Interface. Inspection and reinforcement of what has been learned on the training system.

PROGRAM

1K VISUALIZATION IKS1

START - RESTART OF TWINCAT 3

- Homepage.
- Dosing unit.
- Barrel pumps.
- Temperature control:
 - Parameter page.
- Archive.
- Service:
 - Data backup.
 - Maintenance.

TA-210-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) 6 trainees maximum per session

THEORETICAL





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Power Point Slides

MCQ and

Handout

PRACTICAL









Training



Consult the price list	Consult the price list
On training center	At customer's site

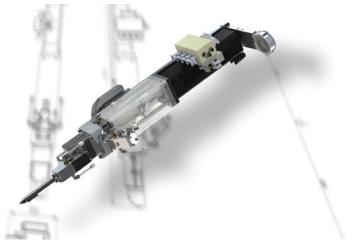
^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Maintenance personnel







PREREQUISITE



Previous participation in the TA-100-1 module.

TRAINING GOAL



This training session addresses the control/operation and all possible settings of the user interface. Inspection and reinforcement of what has been learned on the training system.

PROGRAM

\equiv

1K VISUALIZATION IKS1

START - RESTART OF TWINCAT 3

- Homepage.
- Dosing unit
 - Detail page 1K.
 - Detail page Twin.
- Barrel pumps.
- Temperature control
 - Parameter page
- Archive.
- Programs
 - Program data.
 - Parameters.
 - Single seams.
 - Stepping seam.
- Service
 - Bus inlets/Outlets.
 - Data backup.
 - Maintenance.

TA-211-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) 6 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Handout

PRACTICAL









Training

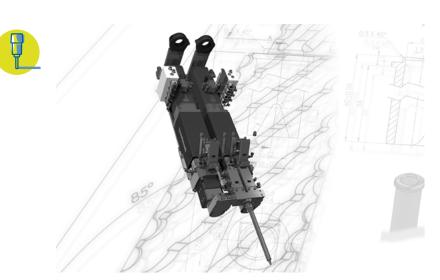


On training center	At customer's site
Consult the price list	Consult the orice list

^{*} For training sessions at your site, the following equipment is required: furnished & quiet room, projector & flip chart, standard tools, workbench with vise including vise jaws. There will be additional costs for shipping the training materials.



Operating personnel



PREREQUISITE



Previous participation in the TA-100-1 module.

TRAINING GOAL



• This training session addresses the control/operation and settings of the relevant user Interface. Inspection and reinforcement of what has been learned on the training system.

PROGRAM



2K VISUALIZATION IKS1

START - RESTART OF TWINCAT 3

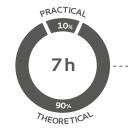
- Homepage.
- Dosing unit.
- Barrel pumps.
- Temperature control
 - Parameter page.
- Archive.
- Service
 - Data backuρ.
 - Maintenance.

TA-220-2

Niveau 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) **6 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Handout

PRACTICAL









Training Cell

Video

Demo case

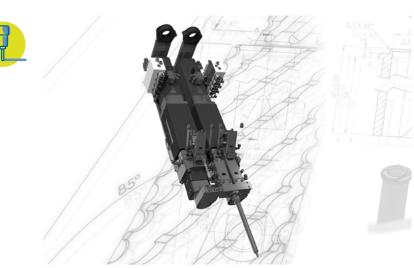


On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished 6 quiet room, projector 6 flip chart, access to a training system.



Maintenance personnel



PREREQUISITE



Previous participation in the TA-100-1 module.

TRAINING GOAL



 This training session addresses the control/operation and all possible settings of the user interface. Inspection and reinforcement of what has been learned on the training system.

PROGRAM



2K VISUALIZATION IKS1

START - RESTART OF TWINCAT 3

- Homepage.
- Dosing unit
 - Detail page 2K.
 - Parameter page.
- Barrel pumps.
- Temperature control
 - Parameter page.
- Archive.
- Programs
 - Program data.
 - Parameters.
 - Single seams.
 - Stepping seam.
- Service
 - Bus inlets/outlets.
 - Data backup.
 - Maintenance.

TA-221-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) **6 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Handout

PRACTICAL









Training

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



1K/2K visualization IKS1 TA-230-2

Maintenance personnel

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)



Or taking place at the customer's site*

PREREQUISITE



TRAINING GOAL



This training session addresses the control/operation and all possible settings of the user interface. Inspection and reinforcement of what has been learned on the training system.



PROGRAM



1K/2K VISUALIZATION IKS1

START - RESTART OF TWINCAT 3

- Homepage.
- Dosing unit
 - Detail page 1K.
 - (Detail page Twin).
 - 2K-ρage.
 - Detail page 2K.
- Barrel pumps.
- Temperature control
 - Parameter page
- Archive.
- Programs
 - Program data.
 - Parameters.
 - Single seams.
 - Stepping seam.
- Service
 - Bus inlets/outlets.
 - Data backup.
 - Maintenance.

PUBLIC



All profiles (sales, technical) 6 trainees maximum per session

THEORETICAL











Power Point Slides

MCQ and

Handout

PRACTICAL









Training



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Multipoint

Components



PREREQUISITE



TRAINING GOAL

• During this training session, the basic principle, the functionality and the mechanical and electrical design of all components are explained in detail. Inspection and reinforcement of what has been learned on the training system.

PROGRAM

SYSTEM BASICS

- System design and functions.
- Initiators including the significance of such.
- Pneumatic unit.
- Hub.
- Proportional dosing unit.

SETTING OF MECHANICAL COMPONENTS

TA-280-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC

(6)



All profiles (sales, technical) **6 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Handout

PRACTICAL









Training Cell

Video support

Demo case



Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Workshop

Individual training content





PREREQUISITE



 Previous participation in one of the TA-211-2, TA-221-2 or TA-230-2 training modules.

TRAINING GOALS



- This training session covers all topics of the training courses already attended by the participants. This is an opportunity for specialists to recap previous training sessions and to discuss new innovations.
- Individual topics from participants will also be incorporated here. This course should be attended by adhesive specialists at regular intervals.

PROGRAM



INDIVIDUAL TRAINING CONTENTS

TA-330-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



Specialists

6 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

Quick star

PRACTICAL









Training Cell

Video

Demo case



On training center	At customer's site
Consult the	Consult the orice list



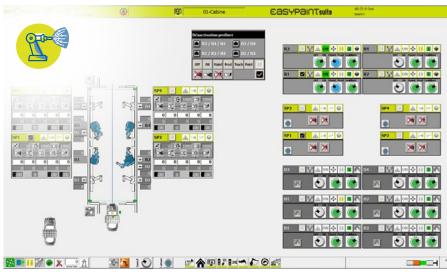
NOTES







Handling



PREREQUISITE

 \bigcirc

Knowledge of the paint industry application.

TRAINING GOAL



• General presentation of the installation's functionalities.

PROGRAM



DESCRIPTION OF THE BUTTONS & INDICATORS ON THE CONSOLE

ACCESS PROCEDURE IN THE CABIN

EXPLANATION OF THE DIFFERENT FUNCTIONALITIES OF THE MAN-MACHINE INTERFACE OF THE EASYDRIVE AND EASYEVENTS MODULES

- Switching on/off of each equipment.
- Selection of the operating mode (manual/automatic/simulation/ cleaning).
- Control of the equipment in manual mode.
- Manual encoding of parts.
- Follow-up in automatic mode.
- Visualization & history of defects.

SL-100-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









poster

Video

Demo case

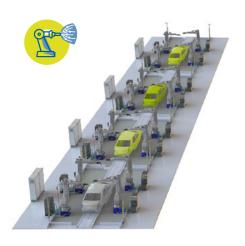


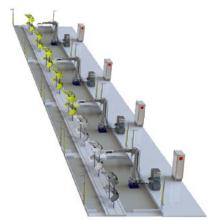
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Driving





PREREQUISITE



SL-100-1

TRAINING GOALS



Detailed presentation of the installation's functionalities.

PROGRAM

=

STATION ENVIRONMENT AND OPERATOR SAFETY

- Intrusion management and fault recovery.
- Access procedure in the cabin.

DESCRIPTION OF THE BUTTONS & INDICATORS ON THE CONSOLE

EXPLANATION OF THE DIFFERENT FUNCTIONALITIES OF THE MAN-MACHINE INTERFACE OF THE EASYDRIVE AND EASYEVENTS MODULES

- Switching on/off of each equipment.
- Selection of the operating mode (manual / automatic / simulation / cleaning).

- Control of the equipment in manual mode.
- Manual part encoding.
- Follow-up in automatic mode.
- Activation of the simulation mode
- Visualization and history of defects (sorting, search).
- Production report.
- Diagnostic help sheets.

INTRODUCTION TO THE EASYTABLES, EASYSEQUENCE, EASYTRAJ3D AND EASYDIAG MODULES

· Functionality of the software.

SL-101-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



On training center	At customer's site
Consult the orice list	Consult the

^{*} For training sessions at your site, the following equipment will be required: a furnished 6 quiet room, projector 6 flip chart, access to a training system.



Painting antenna



PREREQUISITE

 \bigcirc

- Knowledge of the automotive paint industry.
- This module is dedicated to engineering projects.

TRAINING GOALS



- To know the instructions to use the sprayer.
- To know how to perform the preventive maintenance.
- To know the influence of the parameters on the application.

PROGRAM

=

GENERAL PRESENTATION

- General architecture.
- General functioning principle.

THE STATION ENVIRONMENT AND THE OPERATORS SAFETY

- Relation with the external equipments.
- Presentation of the safety elements.

ELECTRO-PNEUMATIC CABINET & PROCESS ARM

- Explanation of the pneumatic diagram.
- Visualization of all the elements in the control cabinet 8 on the robotic arm.
- The main functions of the sprayer.
- Sequence and cycles.

SL-102-2

Level 2

Training can be scheduled from 08:30 AM

to 12:00 PM and from 13:00 PM to 17:00 PM

DURATION





LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Easytraj3D

Software



PREREQUISITE

Basic knowledge of robotics: frame, tools, motion type.

TRAINING GOALS

- Know how to navigate in the EasyTraj3D software.
- Know how to use the main visualization options.
- Know how to modify a trajectory and application parameters.

FUNCTIONNALITIES

parameters.

parameters.

Program the robot.

Modify the trajectories.

Modify the application

Modify the robot's internal

Know how to upload and download a trajectory.

PROGRAM

SOFTWARE

- Software overview.
- Project management.
- Display options.
- Editing area: Project tab.
- Editing area: Editor tab.
- Tab transfer.
- Comparison function.
- Brush table.

SL-103-3 Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

6



Robot operator, manufacturing engineer 3 trainees maximum per session

THEORETICAL









MCQ and

PRACTICAL









Practical



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Automatism

Software



PREREQUISITE



TRAINING GOALS

To know how to make a backup/restore software and applications.

To replace a component on the network.

PROGRAM

SOFTWARE

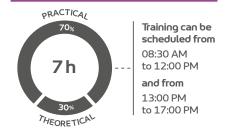
- Network architecture.
- E / S list.
- Backup & recovery of applications.
- Backup of a complete image.
- Replacement of a controller or a network component.

NOTE: No informations on robots's program codes and supervision will be transmitted.

SL-104-3

Level 3

DURATION



LOCATION

Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

1004000

(B)

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Automaticians, maintenance

3 trainees maximum per session

THEORETICAL







PowerPoint Slides

MCQ and exercices

Memento

PRACTICAL







Technical poster

Video

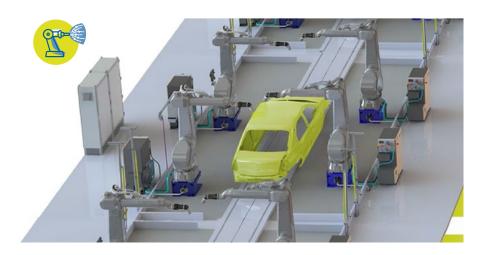
Demo case

Consult the price list	Consult the price list
On training center	At customer's site

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Maintenance



PREREQUISITE



• Having followed the SL-101-2 and SL-102-2 modules (or having aquired the respective levels through experience).

TRAINING GOALS



- To be familiar with the functioning of the installation.
- To know preventive and corrective maintenance.
- To know how to perform maintenance.

PROGRAM

\equiv

MECHANICAL AND ELECTRICAL MAINTENANCE

- Electro-pneumatic cabinets.
- Presentation of the preventive maintenance plan.
- Presentation of the corrective maintenance plan.

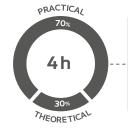
DIAGNOSTIC

Using the maintenance plan.

SL-105-2

Level 2

DURATION



Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION

Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

All profiles (sales, technical)

3 trainees maximum per session

THEORETICAL







Power Point Slides

MCQ and

Memento

PRACTICAL







poster

Video

Demo case

On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Cleaning



PREREQUISITE



Knowledge of the automotive paint industry.

TRAINING GOALS



- To know how to perform an installation cleaning.
- To know how to work safely.

PROGRAM

=

CLEANING RECOMMENDATIONS

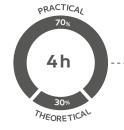
- Installation consignement.
- Equipement protection.
- Components to clean.
- Cleaning procedure.
- Frequency.
- Use of the assembly and disassembly tools.
- Cleaning products and accessories.

SL-106-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, cleaning staff 3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

PRACTICAL











On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Type start-up

Software



PREREQUISITE

Knowledge of the automotive paint industry.

TRAINING GOALS

- To be able to use softwares including parameters tables.
- To be able to define a new type, a new tint.
- To be autonomous for any position or point modifications.
- To be autonomous acting on parameter tables.

PROGRAM

ENVIRONMENT AND TEACH ROBOT INTERFACE

- Securities.
- Manual displacement.
- Robot's coordinates system.
- Explanation of the robot's trajectory structure.
- Type creation.
- Point modification.
- Instructions addition.

PARAMETERS TABLES'S **PRESENTATION**

- Tints table.
- Types table.

Cycles and sequences table.

TEST METHOD FOR APPLICATION

Application parameters.

Temperature, viscosity,

Thickness measurement,

Optimisation depending on the

Manipulation & optimisation.

Spurt table.

humidity.

results.

Marouflage.









MCQ and

Slides



PRICE / SESSION



Consult the price list

price list

DURATION



Level 3

PRACTICA, 35 h THEORETICAL

Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

SL-107-3

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, applicator 3 trainees maximum per session

THEORETICAL



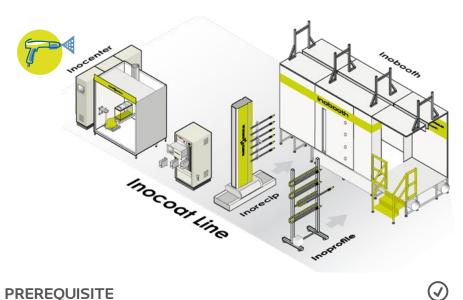


Consult the

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Handling



PREREQUISITE

Knowledge of the paint industry application.

TRAINING GOAL



General presentation of the installation's functionalities.

PROGRAM



DESCRIPTION OF THE BUTTONS & INDICATORS ON THE CONSOLE

EXPLANATION OF THE DIFFERENT FUNCTIONALITIES OF THE MAN-MACHINE INTERFACE OF THE **EASYDRIVE AND EASYEVENTS MODULES**

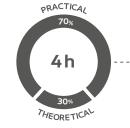
- Switching on/off of each equipment.
- Selection of the operating mode (manual/automatic/cleaning).
- Control of the equipment in manual mode.
- Manual encoding of parts.
- Follow-up in automatic mode.
- Visualization & history of defects.

SP-000-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator 3 trainees maximum per session

THEORETICAL









Power Point Slides

MCQ and

PRACTICAL









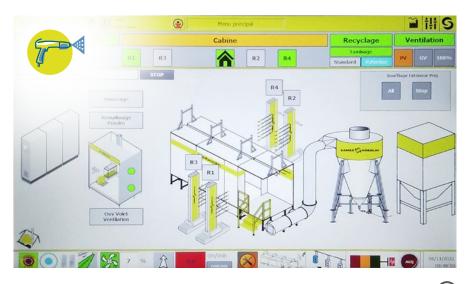


On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Driving



PREREQUISITE

SP-000-1.

TRAINING GOALS

Detailed presentation of the installation's functionalities.

PROGRAM

STATION ENVIRONMENT AND OPERATOR SAFETY

- Intrusion management and fault recovery.
- Access procedure in the cabin.

DESCRIPTION OF THE BUTTONS & INDICATORS ON THE CONSOLE

FUNCTIONALITIES OF THE MAN-MACHINE INTERFACE OF THE EASYDRIVE AND EASYEVENTS MODULES

- Switching on/off of each equipment.
- Selection of the operating mode (manual / automatic / cleaning).
- Control of the equipment in manual mode.
- Manual part encoding.
- Follow-up in automatic mode.
- Visualization and history of defects (sorting, search).
- Production report.
- Diagnostic help sheets.

INTRODUCTION TO THE EASYSEQUENCE MODULE

Functionality of the software.

SP-001-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)



Or taking place at the customer's site

PUBLIC

(g)



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









poster

Video

Demo case

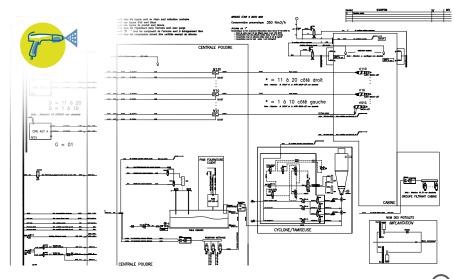


On training center	At customer's site
Consult the orice list	Consult the

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Powder antenna



PREREQUISITE

Knowledge of the powder paint industry.

TRAINING GOALS



- To know the functioning principle of the sprayer.
- To know how to perform the preventive maintenance.
- To know the parameters influencing the application.

PROGRAM

\equiv

GENERAL PRESENTATION

- General architecture.
- General functioning principle.

THE STATION ENVIRONMENT AND THE OPERATORS SAFETY

- Relations with the external equipments.
- Presentation of the safety elements.

THE ELECTRO-PNEUMATIC CABINET

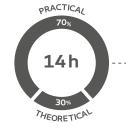
- Explanation of the pneumatic diagram.
- Complete viewing of the robot and cabinet's elements.
- Main functions of the sprayers.
- Sequence tables and cycles.

SP-002-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Maintenance, method, operator **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



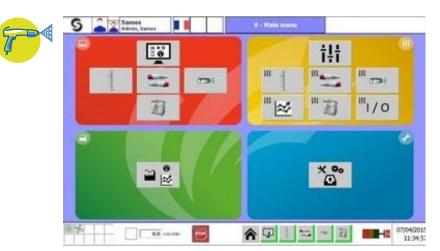
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Automatism

Software



PREREQUISITE



Having followed the SP-000-1 and SP-001-2.

TRAINING GOALS



- To know how to make a backup/restore software and applications.
- To replace a component on the network.

PROGRAM



SOFTWARE

- Network architecture.
- E / S list.
- Backup & recovery of applications.
- · Backup of a complete image.
- Replacement of a controller or a network component.

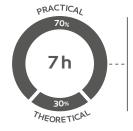
NOTE: No informations on robots's program codes and supervision will be transmitted.

SP-004-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC



Automaticians, maintenance

3 trainees maximum per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.

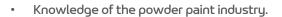


Installation

Cleaning



PREREQUISITE



TRAINING GOALS

- To know how to perform the cleaning of the installation.
- To be able to work safely.

PROGRAM

CLEANING RECOMMENDATIONS

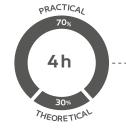
- Installation consignement.
- · Equipement protection.
- Components to clean.
- Cleaning procedure.
- Frequency.
- Use of the assembly and disassembly tools.
- Cleaning products and accessories.

SP-006-1

Level 1

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Meylan (38)

Local subsidiary

Or taking place at the customer's site

PUBLIC

(a)

 \equiv



Maintenance, cleaning staff **3 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Memento

PRACTICAL









Technical poster

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Manual System

BC5000





PREREQUISITE

 \bigcirc

Previous participation in the TA-100-1 module.

TRAINING GOAL



• This training session addresses the control/operation and all possible settings of the user interface. Inspection and reinforcement of what has been learned on the training system.

PROGRAM



SYSTEM BASICS

BARREL PUMPS FUNCTIONS

INITIATORS INCLUDING THE SIGNIFICANCE OF SUCH

VISUALIZATION BC5000

- Homepage.
- · Heater.
- Barrel pumps.
- · Alarm signals / messages.
- · Settings.
- Data backup.

TA-200-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) **6 trainees maximum** per session

THEORETICAL









Power Point Slides

MCQ and

Handout

PRACTICAL









Training Cell

Video support

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished 6 quiet room, projector 6 flip chart, access to a training system.



Cleaner

Software





PREREQUISITE

Previous participation in the TA-100-1 module.

TRAINING GOAL



 \bigcirc

• This training session addresses the design and control / operation and all possible settings of the user interface. Inspection and reinforcement of what has been learned on the training system.

PROGRAM

=

FUNCTIONALITY & STRUCTURE

VISUALIZATION

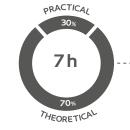
- Homepage
 - Conveyor/belt pusher/ firing chamber.
 - Applicator head / transfer station.
 - Pressure tank (DBM).
- Default setting
 - Bus subscriber.
- Pre-humidification programs.
- Application programs.
- Interface
 - Force.
- History.
- · Settings.

TA-240-2

Level 2

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) **6 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Handout

PRACTICAL









Training

Video

Demo



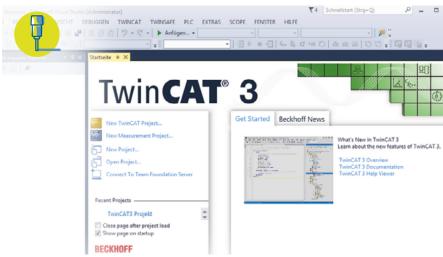
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Twincat 3

Software



PREREQUISITE



 Previous participation in one of the TA-211-2, TA-221-2 or TA-230-2 training modules.

1

TRAINING GOAL

• This training session addresses the control/operation and relevant settings of the user interface. Analysis methods and system-relevant configurations are also part of this training.

PROGRAM



STATUS DISPLAY

FORCING STATES

OPENING A PROJECT

TOPOLOGY

TWINCAT 3 SYSTEM MANAGER "SYSTEM OVERVIEW"

EMERGENCY SCAN

ETHER CAT STRUCTURE

"COUNTER" CHANGE OF STATE

PROFNET

SERVO CONVERTER UPDATE

FILE STRUCTURE

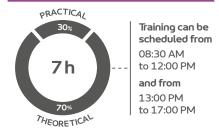
INI-FILES

TA-300-3

Level 3

DURATION





LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) **6 trainees maximum** per session

THEORETICAL









PowerPoint Slides

MCQ and

Handout

PRACTICAL









Training

Video

case



On training center	At customer's site
Consult the price list	Consult the price list

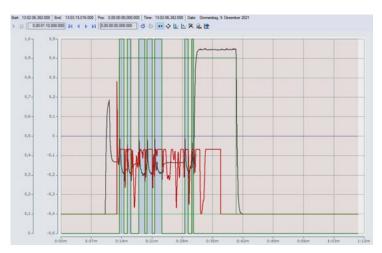
^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Scope View

Software





PREREQUISITE



 Previous participation in one of the TA-211-2, TA-221-2 or TA-230-2 training modules.

TRAINING GOAL



• This training session addresses the control/operation and relevant settings of the user interface. Analyzing and interpreting records is practiced using examples.

PROGRAM



OPEN SCOPE VIEW SIGNAL SEQUENCE "ESTABLISH STANDBY"

START RECORDINGS

SIGNAL SEQUENCE "DOSING FILL"

SAVE/EXPORT PROJECTS

SIGNAL SEQUENCE "PURGING"

OPEN SAVED PROJECTS

SIGNAL SEQUENCE "GLUE"

SCOPE VIEW INTERFACE

SIGNAL SEQUENCE "APPLICATION ERROR"

INTEGRATE CHANNEL

SIGNAL SEQUENCE "SYSTEM

ERROR"

RECORDING DURATION

TRIGGER CONTROLLED RECORDING

SIGNAL SEQUENCE "STEPPING SEAM"

TA-310-3

Level 3

Training can be scheduled from 08:30 AM

to 12:00 PM and from 13:00 PM to 17:00 PM

DURATION





LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) **6 trainees maximum** per session

THEORETICAL







Power Point Slides

MCQ and

Handout

PRACTICAL









Training

Video

Demo case



On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.



Troubleshooting

Practical Exercises





PREREQUISITE



Previous participation in one of the TA-211-2, TA-221-2 or TA-230-2 training modules.

TRAINING GOAL



In this training, the troubleshooting and its elimination, as well as the handling of malfunctions is trained on a training cell without replacing components. (The following systems are possible here: 1C system, 2C system, Twin system or Cleaner).

PROGRAM



IDENTIFICATION OF FAULTS

SYSTEMATIC ANALYSIS

STRUCTURED PROCESSING OF **FAULT CHAINS**

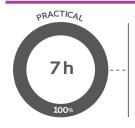
RESTORATION OF ALL FUNCTIONS IN CASE OF A FAULT

TA-320-3

Level 3

DURATION





Training can be scheduled from 08:30 AM to 12:00 PM and from 13:00 PM to 17:00 PM

LOCATION



Taking place at the training center of:

Erftstadt (DE)

Local subsidiary

Or taking place at the customer's site*

PUBLIC



All profiles (sales, technical) 6 trainees maximum per session

THEORETICAL









Power Point

MCQ and

PRACTICAL









Training



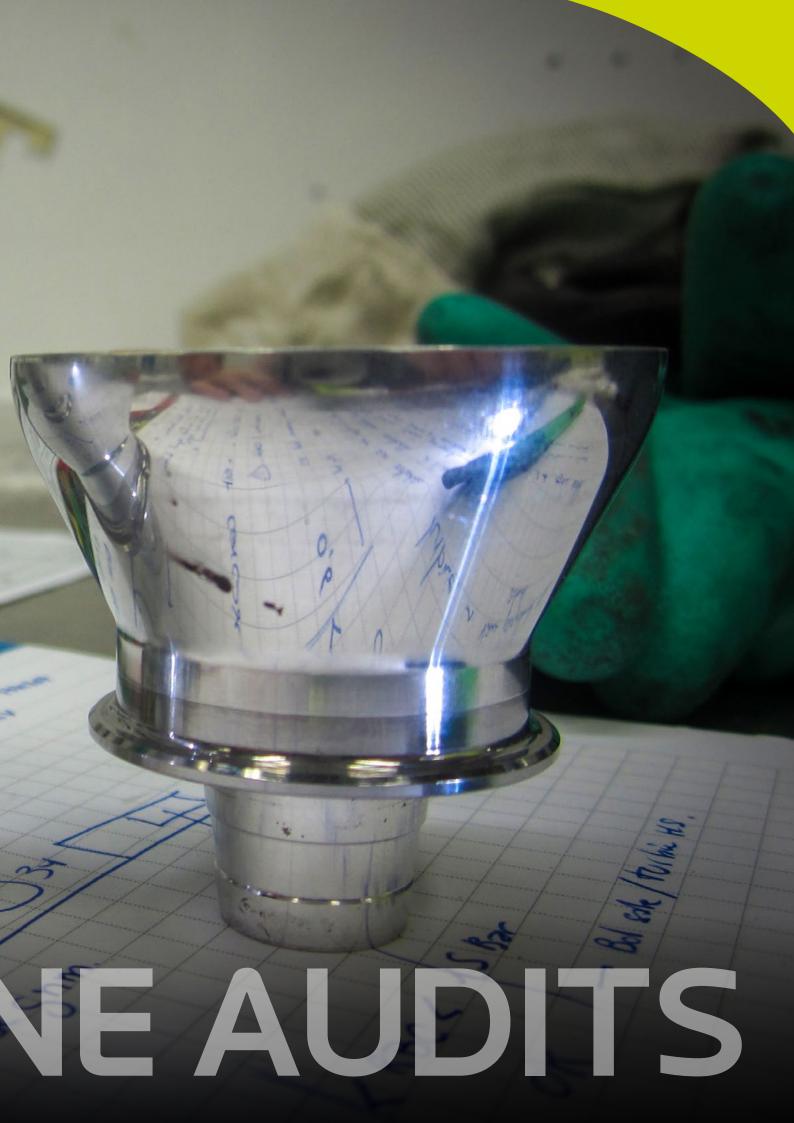
On training center	At customer's site
Consult the price list	Consult the price list

^{*} For training sessions at your site, the following equipment will be required: a furnished & quiet room, projector & flip chart, access to a training system.











LINE AUDITS



PPH707 dismantling.



Ground continuity measures under 500V.

A technical expertise and follow-up on site

Inscribed in a technical support program for our customers using **Sames** equipment in electrostatic powdering and painting, the line audit approach is designed to help you optimize and control your production process.

Our network of Sames experts is continuously trained and qualified to provide our customers with technical expertise on powder or liquid installations in which our equipment is integrated. The overall environment of your production line will be taken into account in this technical survey.

Line audit visits allow to:

- Identify critical points that may affect the reliability or mechanical integrity of the Sames equipment;
- Identify and contain any changes of the system from its original operating;
- Identify all wear parts and first emergency parts necessary for the continuity of your production;
- Develop a Preventive Maintenance Plan* (P.M.P.) personalized and adapted to your production environment;
- Provide on site technical advice appropriate to the situation and define training allowing a professionalisation of your operating staff;
- · Identify corrective actions and their degree of urgency.

Line audit visits are scheduled in accordance with your production so as not to disrupt it. The audit of lines is above all a technical assistance.

To allow you to maintain sustainable technical performance of your production equipment in an industrial environment constantly changing and benefit from our expertise over time, **Sames** also provides preventive maintenance contracts...

(*) Preventive Maintenance Plan (P.M.P.):

Issued from Sames technical instructions, the Preventive Maintenance Plan identifies for each subassembly constituting a specific installation, monitoring and verification operations to achieve, depending on an accurate periodicity.

Line audits

Technical expertise on site



WE CHECK

Your paint or powder equipment (new and old generation):
 The general condition of the equipment, the wear and tear and cleanliness of the bell cup, the sealing of quick disconnect plate and status of O-rings, the clogging of the injectors, the sealing of the pneumatic and paint product connections, etc...

WE ANALYSE



• Operating parameters, such as current consumption, high voltage saturation, fault history and safety parameters on HV generators; Any defects that may affect the performance or the efficiency of the equipment.

OUR EXPERIENCE TO ASSIST YOU



DURING YOUR PRODUCTION

- Survey of operating parameters.
- Measurement of ground continuity between the conveyor and the parts to be painted.
- High voltage measurements and airflow control in the booth using regularly calibrated equipment.
- Proposal of solutions and performance optimisation.

OUR TEST POINTS

- Centre distances, projector strokes and trajectory overlaps.
- Mechanical position of the middle stroke and load balancing.
- Chain tension, seizure, wear.
- Carriage and counterweight rollers mechanic backlash.
- Grounding and equipotential bonding.

SE-1-100

LOCATION



On customer's installation

MEASURES









measuring

Grounding continuity

Powder flow

REPORT



A detailed report is sent to you within approximately 10 working days.

PRICES/AREA/1 DAY



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area Rest of the world	Consult us

ADDITIONAL DAY(S)



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area World customer	Consult us

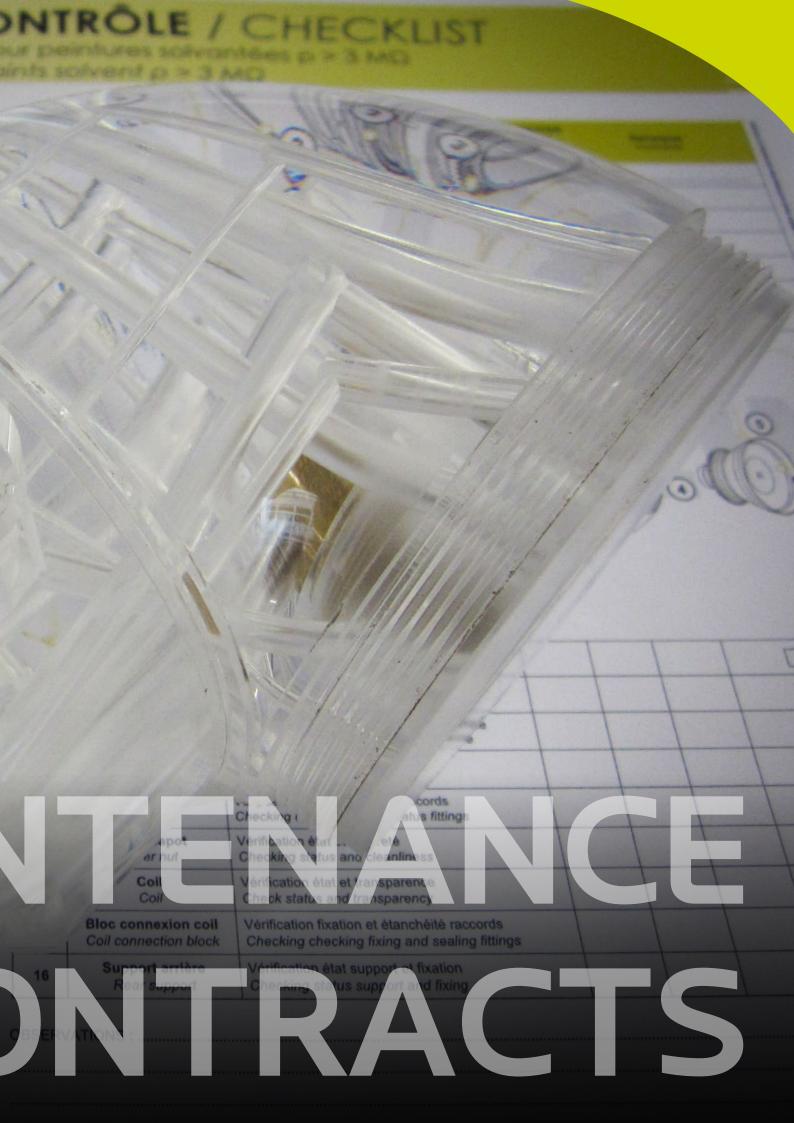
During day shift, 8:30 AM to 5:00 PM. Except weekends and bank holidays.

ADDITIONAL COSTS



Additional costs (Hotel, catering and transport) are to be added **out of the EMEA subsidiary area**.

PPH707 SB - FICHE DE CC Pulvérisateur Double Circuit 3ans Régulateur pa Afornizer double Circuit Without regulator for pa sames Granocoat WETERS !





MAINTENANCE CONTRACTS



Maintenance TRP500 penetrant testing line.



Dismantling of an equipment during a maintenance.

An adapted preventive maintenance plan

The increase in the cost of consumables and energy related to equipment wear usually generates in many companies additional uncontrolled costs, that only a personalized action plan may contain. The preventive maintenance contract proposed by Sames is part of a program of technical support to our customers.

It is intended to help you optimize your production. In a research context of competitiveness and productivity, the approach taken by our Customer Support Service allows you, in the short term to improve the performance of your installation. Preventive maintenance consists of various controls as recommended by Sames Preventive Maintenance Plan.

These operations are performed by a qualified technician. Under this contract for preventive maintenance, we take care of the technical verifications and if necessary bring the appropriate settings. The local environment of your installation is included in the technical audit.

These technical visits allow to:

- Identify critical points that may affect the reliability or integrity of your Sames equipments;
- · Identify and curb any abuses of the system from its original operation;
- Identify corrective actions to perform and their urgency;
- Identify all wearing parts and list emergency spares for the continuity of your production.

During a shutdown we check the internal mechanical robots up and down (and/or positionner.) We check the powder spraying and paint spraying equipment manual and automatic (new and old generation.)

We also control the correct operation of the Sames peripheral powder installations (powder coating central, filtration and recycling group) and water-soluble paint or solvent (insulating table, pump and pneumatic agitator, etc.)

Maintenance

Preventive maintenance contract



PREREQUISITE



• A line audit is required on the installation in order to define the scope of action for preventive maintenance.

WE CHECK YOUR INSTALLATION



• On the basis of a preventive maintenance plan tailored to your installation, prepared following a prior line audit; And equipment inspection sheets.

THE MAINTENANCE CONTRACT



WE REPLACE AND ADJUST

- The consumables defined in the contract (seals, O-rings, paint or powder pipes, micro valves, reciprocator chains, etc.)
- Functional play of carriage rollers.

PERFORMANCE MEASUREMENTS

• Ground continuity on the parts to be painted.

125/ 144

- Effective high voltage on shroud or nozzles.
- · Current consumption.
- · High voltage limitation.
- Powder flow.

SE-2-100

LOCATION



Meylan (38)

Local subsidiary

MEASURES









HV measuring

Grounding continuity

Powder flow

REPORT



A detailed report is sent to you within approximately 10 working days.

PRICES/AREA/1 DAY



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Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area Rest of the world	Consult us

ADDITIONAL DAY(S)



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area World customer	Consult us

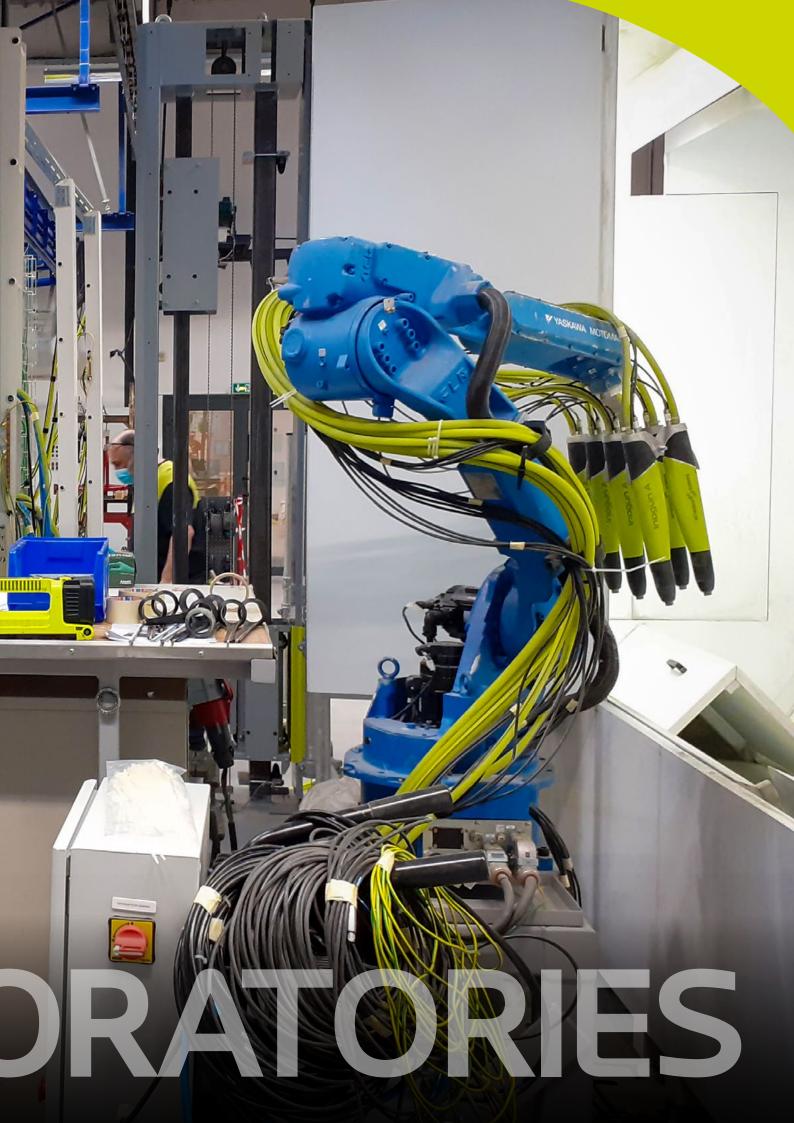
During day shift, 8:30 AM to 5:00 PM. Except weekends and bank holidays.

ADDITIONAL COSTS



Additional costs (Hotel, catering and transport) are to be added **out of the EMEA subsidiary area**.







LABORATORIES



France: Sames Powder Application Center

Sames Powder Application Center

Located in the French Alps, the Powder Application Center allows you to simulate the powder application process with adjusted trajectories as it would occur in your factory. Testing conducted can validate a process concept tailored to your specifications.

We allow you to develop & certify all trajectories & powder parameters while adapting to the complete paint application of each individual part to be coated in your production facility, thus saving time & quick starting your production line. Lab Capabilities:

Manual / robotic powder application booth



USA: America Powder Application Center

Sames America Powder Application Center

Located in PLYMOUTH, Michigan, we can present our full product line from basic to advanced Product Knowledge and Process Validation testing in our Sames NA Powder Application Center.

Lab Capabilities:

Manual / robotic powder application booth



China: ASIA Application Center All industry

Sames ASIA Application Center All industry

Located in SHANGHAI, China, we can present our full product line from basic to advanced Product Knowledge and Process Validation testing in our Sames **ASIA Application Center.**

Lab Capabilities:

Manual / robotic powder application booth

Powder Laboratories

Processes development



PROCESS LAB SERVICES



We perform in-house validations & new developments of your processes. The right solution for your needs is waiting to be discovered at our state of the art testing labs or with one of our network of partners.

WE ANALYSE



- Dozens of visits
- Hundreds of images and videos of our solutions in operation
- Samples from a wide range of sectors
- Technical reports
- Promotional materials

OUR EXPERIENCE TO ASSIST YOU



OUR SERVICES:

- Demonstration trials of our standards, industrialization of powder and liquid processes and technical studies
- Pre-sales commercial support
- Technical support for application station improvement & project preparation
- Propose our standards and apply them to our customers' processes
- Marketing support

OUR MISSION:

- Welcoming our customers, prospects, partners and employees
- Help our customers, prospects and partners develop their resources
- Promote our solutions
- Advise and offer our expertise in powder coating and production line

SE-3-001

LOCATION







China

MEASURES









Grounding



continuity

Powder flow

REPORT



A detailed report is sent to you within approximately 10 working days.

PRICES / AREA / 1 DAY



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area Rest of the world	Consult us

ADDITIONAL DAY(S)



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area World customer	Consult us

During day shift, 8:30 AM to 5:00 PM. Except weekends and bank holidays.

ADDITIONAL COSTS



Additional costs (Hotel, catering and transport) are to be added out of the EMEA subsidiary area.



LABORATORIES



France: Application Center Paintshop & industry



France: Application Center Bodyshop & industry



Germany: Laboratory All Industry



USA: America Application Center All industry



China: ASIA Application Center All industry

Sames Application Center Paintshop & industry

Located in the French Alps, the Application Center allows you to simulate the paint process with adjusted trajectories as it would occur in your factory. Testing conducted can **validate a process concept** tailored to your specifications.

We develop and validate all trajectories and application parameters. **This saves** you time and helps you get your production line up and running quickly.

Sames Application Center Bodyshop & Industry

Located in PARIS, France, our product range is presented at our Sames Application Center with the following objectives:

- Basic Product Knowledge an introductory overview
- Advanced Product Knowledge a more in–depth review of our products for optimum use 8 maintenance practices
- Process Validation Testing confirmatory testing of your product choices

Sames Germany Laboratory All Industry

2 laboratories located at our production site in ERFTSTADT, Germany:

- The High viscosity lab for Automotive & General Industries applications: 3 different robots, multiple dosing units and test cells.
- -1K (round bead, triangle, flat stream, slot nozzle, Bi-valve, swirl, static or robotic),
- 2K (static or dynamic mixing, static or robotic trajectory) & a cleaning system.
- In the newly built Laboratory for Paint, you can take part in training or trials:
- 1 spray booth and 1 robot for automated application of liquid paints

Sames AMERICA Application Center All industry

Located in PLYMOUTH, Michigan, we can present our full product line from basic to advanced Product Knowledge and Process Validation testing in our Sames NA Application Center. Lab Capabilities:

- Robotic liquid application booth
- Automatic & manual liquid application booth
- **High viscosity robotic application** process platform

Sames ASIA Application Center All industry

Located in SHANGHAI, China, we can present our full product line from basic to advanced Product Knowledge and Process Validation testing in our **Sames ASIA Application Center**. Lab Capabilities:

- Robotic liquid application booth
- Automatic & manual liquid application booth
- High viscosity robotic application process platform

Liquid Laboratories

Processes development



PROCESS LAB SERVICES

We perform in-house validations & new developments of your processes. The right solution for your needs is waiting to be discovered at our state of the art testing labs or with one of our network of partners.

WE ANALYSE

- Dozens of visits
- Hundreds of images and videos of our solutions in operation
- Samples from a wide range of sectors
- Technical reports
- Promotional materials

OUR EXPERIENCE TO ASSIST YOU



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OUR SERVICES:

- Demonstration trials of our standards, industrialization of powder and liquid processes and technical studies
- Pre-sales commercial support
- Technical support for application station improvement & project preparation
- Propose our standards and apply them to our customers' processes
- Marketing support

OUR MISSION:

- Welcoming our customers, prospects, partners and employees
- Help our customers, prospects and partners develop their resources
- Promote our solutions
- · Advise and offer our expertise in liquid application and production line

SE-3-101

LOCATION





MEASURES









HV measuring

Grounding continuity

Powder

REPORT



A detailed report is sent to you within approximately 10 working days.

PRICES/AREA/1 DAY



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area Rest of the world	Consult us

ADDITIONAL DAY(S)



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area World customer	Consult us

During day shift, 8:30 AM to 5:00 PM. Except weekends and bank holidays.

ADDITIONAL COSTS



Additional costs (Hotel, catering and transport) are to be added **out of the EMEA subsidiary area**.







AFTER-SALES



Sames Nanocoat range: Nanogun



Sames Inocoat range: Inobox



Sames Kremlin range: Prima Pump



Sames Intec range: Dosing unit

Repair centers

3 specialized repair centers located on the production sites:

- Meylan is our headquarters in the French Alps,
- Stains is located near Paris,
- Erftstadt is located in Neuss in Germany, for the DACH region (Germany, Switzerland, Austria)

Those centers allow the repair under warranty of equipment that cannot be repaired locally.

Sames Repair Center Meylan

This center offers you the opportunity to repair the following equipments:

- Nanocoat product range: GNM200, GNM300, BSC300, Nanogun range, ...
- Inocoat product range: Inogun range, Inobox, Inobell, Inocontroller, ...

In the event of heavy downtime of your equipment, Sames can offer you a loan in order to maintain your production line. Please contact our Hotline for more details.

Sames Repair Center Stains

This center offers you the opportunity to repair the following equipments:

• **Kremlin** product range: FPro range, Airmix range, Airless pumps, SFlow range, Cyclomix Evo, ...

In the event of heavy downtime of your equipment, Sames can offer you a loan in order to maintain your production line. Please contact our Hotline for more details.

Sames Repair Center Germany

This center offers you the opportunity to repair the following equipments:

• Intec product range: Rexson Pump range, Intec Dosing units, eDispense, Volurex, ...

In the event of heavy downtime of your equipment, Sames can offer you a loan in order to maintain your production line. Please contact our Hotline for more details.

After-sales

Repairs and warranty



REPAIR

Our network of experts are continuously trained δ qualified to support our products with precise components, work procedures δ tools. If the warranty period expires, Repair operations will be quoted δ executed following order confirmation.

WARRANTY

Our network of experts are continuously trained & qualified to repair our products with precise components, work procedures & tools. They are capable of ensuring the Warranty worldwide service based on our international terms.

TECHNICAL EXPERTISE

Our network of experts are continuously trained & qualified to deliver technical expertise on your production tools, while addressing the issues encountered in your factory.

WE HAVE SEVERAL LEVELS OF SERVICES

- Remote expertise based on mail/phone contact
- Physical expertise based on products returned
- Line inspection based on deep site analysis procedures & tools.
 They are capable of ensuring the Warranty worldwide service based on our international terms.

SE-4-100

LOCATION





MEASURES









HV measuring

Grounding continuity

Powder flow

REPORT



A detailed report is sent to you within approximately 10 working days.

PRICES/AREA/1 DAY



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area Rest of the world	Consult us

ADDITIONAL DAY(S)



Direct customer France	Consult us
Subsidiary area EMEA customer	Consult us
Subsidiary area World customer	Consult us

During day shift, 8:30 AM to 5:00 PM. Except weekends and bank holidays.

ADDITIONAL COSTS

Additional costs (Hotel, catering and transport) are to be added **out of the EMEA subsidiary area**.



ACCESS MAP

MEYLAN SITE







MERCURE Hotel Meylan

34 Avenue de Verdun, 38240 Meylan Tel. : +33 4 76 90 63 09

Access to the site of Meylan by bus Chrono C1 in 5 minutes then 5 minutes by foot.

Negociated prices - contact us



Hôtel Les Trois Roses

32 Av. du Grésivaudan, 38700 Corenc Tel. : +33 476 893 961

Access to the Meylan site by Chrono C1 bus (Aiguinards -Hexagone/Malacher €1.90) in 20 minutes, including a 13-minute walk.

Negociated prices - contact us



ACCESS MAP

STAINS SITE



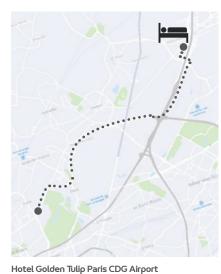




5 Rue Caulaincourt, 75018 Paris Tel.:+33 1 55 30 18 18

Access to the site of Stains from Place de Clichy. Take the metro n°13 then take the bus 255.

Negociated prices - contact us



Villepinte - 11 Allée Du Verger, 95700 Roissy-en-France Tel.: +33 1 34 29 81 28

Access to the site of Stains by car.

Negociated prices - contact us













Place de Clichy Direction "Saint-Denis Université" From Place de Clichy

Cité Langevin Direction "Avenue de Stalingrad"

La Cerisaie Direction "Le Bourget"











Paris Lyon Train station

Pierrefitte - Stains Direction "Villiers-le-Bel"

La Cerisaie Direction "Le Bourget"













Paris Airport Charles de Gaulle

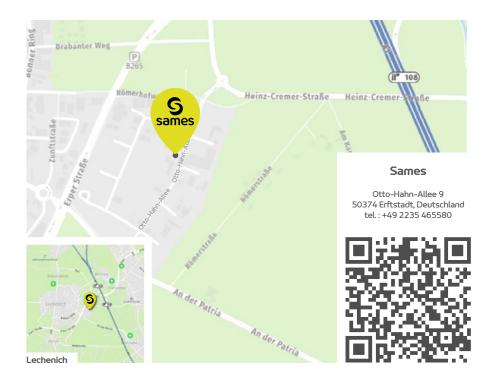
La Courneuve Aubervilliers Direction "Paris"

Le Globe Direction "Les Prévoyants"



ACCESS MAP

ERFTSTADT SITE





House Wilkens e.K.

Zum Breitmaar 1, 50170 Kerpen
Tel.: +49 2273 60660

Approximately 15 minute car ride to Erfstadt.









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SYSTEMS TRAININGS

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