

Spare Parts

| Designation            |                                | Part number |
|------------------------|--------------------------------|-------------|
| BELL CUP EC35 Aluminum | Straight serration             | 91000636    |
| BELL CUP EC35 Titanium | Straight serration             | 91001188    |
| BELL CUP EC50 Aluminum | Straight serration             | 910003159   |
| BELL CUP EC50 Titanium | Straight serration             | 910008756   |
| BELL CUP EX80 Titanium | Straight serration             | 910012705   |
| MICROVALVE D6          | White cover - Orange indicator | 1507375     |
| NANOVALVE              | White cover - Orange indicator | 1510004     |
| NANOVALVE SHIELD       | White cover - Black indicator  | 910021569   |
| MICROVALVE D7          | White cover - Green indicator  | 1508516     |
| BELL CUP EC43 Titanium | Straight serration             | 910028230   |




Accubell® 709 Evo

Robotic Internal Charge Electrostatic Rotary Bell Atomizer



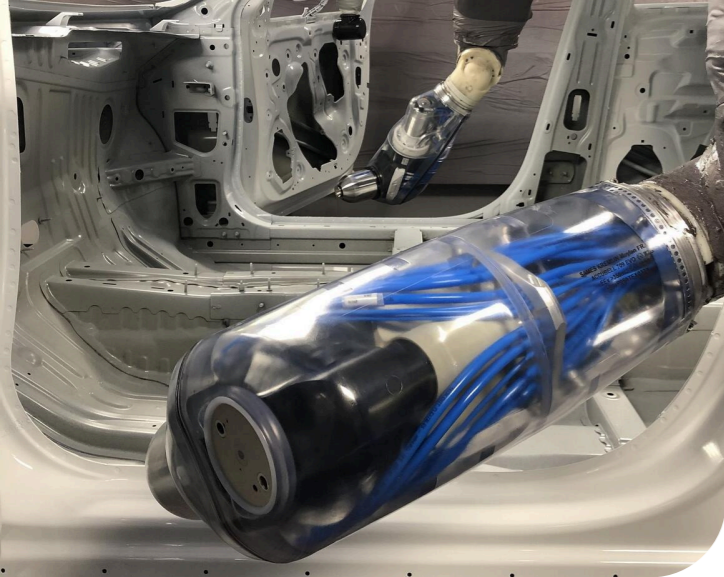
Electrostatic / Robotic Bells

THE BEST PERFORMING WATERBORNE SPRAYER!

-  **Fast color change**
-  **Low paint loss**
-  **Utmost efficient electrostatic sprayer for waterborne applications**

Markets





# Accubell® 709 Evo

Robotic Internal Charge Electrostatic Rotary Bell Atomizer

Accubell® 709 Evo is a robotic internal charge electrostatic rotary bell atomizer dedicated to water-based paint with a docking station fixed to the booth wall.



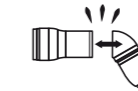
## Technologies



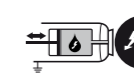
High Speed Turbine



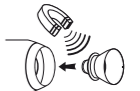
Hi-TE



Quick Disconnect



Accubell EVO



Magnetic Cup



## Description

**ACCUBELL® 709 EVO** is a sprayer dedicated to the electrostatic application with internal charge of water based paint. It is equipped with the high speed turbine (HVT) with magnetic bell. The level of finishing quality proposed by the ACCUBELL® 709 EVO guarantees a high quality. Wide and narrow pattern are available. The ACCUBELL® 709 EVO ensures perfect operation safety with the smart integrated HVU ensuring fast energy discharge preventing any spark.

The range includes a wide choice of bell cups (also available in titanium for longer life) meeting each application requirement :

|             |  |                                 |                   |
|-------------|--|---------------------------------|-------------------|
| <b>EC35</b> | NW : variable pattern from very narrow to small pattern                | Interior cut-ins, narrow shapes | Base coat         |
| <b>EC43</b> | NW : variable pattern from very narrow to small pattern                | Interior cut-ins                | Base coat         |
| <b>EC50</b> | NW : variable pattern from very narrow to large pattern                | Bumper, interior                | Primer, Base coat |
| <b>EC50</b> | PSW : primer super wide for large pattern                              | Exterior body, flat panels      | Primer coat       |
| <b>EX65</b> | NW : variable pattern from narrow to large pattern & fine atomization  | Bumper                          | Base coat 1 & 2   |
| <b>EX80</b> | BSW : Base coat Super Wide for very large pattern & finest atomization | Exerior body, flat panels       | Base coat 1 & 2   |

### Performance:

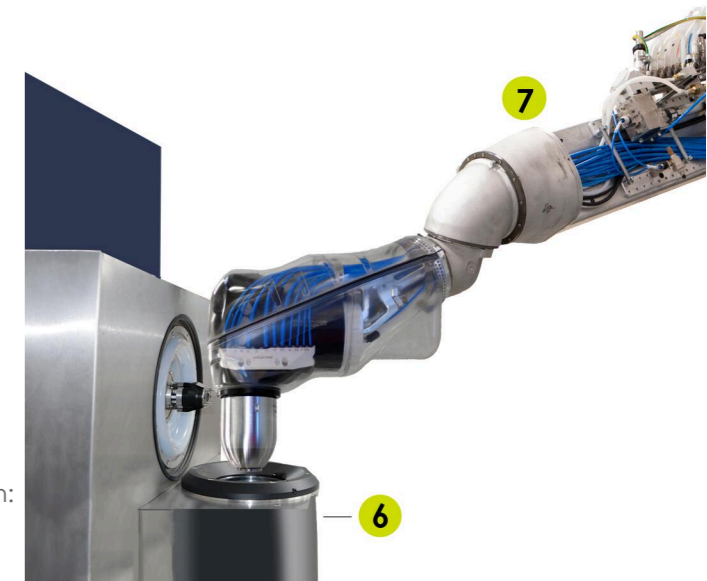
- 1 Patented NW (Narrow to Wide) air shrouds for unsurpassed transfer efficiency
- 1 High Velocity Turbine (HVT) for high rotation speed whatever the paint flow for the finest atomization
- 2 High voltage unit gives the maximum electrostatic effect for highest transfer efficiency
- 3 Long experience canister technology for fast paint transfer
  - ◆ Only 12 seconds to clean & refill a volume of 400cc of paint
  - ◆ Only 12cc of paint lost during color change, 0cc if refilling the same color

### Productivity:

- 3 Canister technology to reduce the cycle time and improve cleaning
- 4 Lightweight design makes ACCUBELL 709 EVO available for all painting robot
- 5 Full Bell/Bell process : Primer, Basecoat 1, Basecoat2, Primer thanks to a range of 4 bell cup sizes
- 6 Patented docking station – next color is filling while painting
  - ◆ Remote bell monitoring device to avoid spraying without the bell cup
  - ◆ Low contamination sprayer suitable for interior application and complex shapes

### Sustainability:

- 6 rinsing box integrated in the docking station for automatic cleaning
- 7 No paint hoses inside the robot arm for an improved maintenance
  - ◆ Auto-diagnostic of critical valves to secure the production and reduce the maintenance cost
  - ◆ Docking canister with color changer located out of the booth: easy access for maintenance
  - ◆ Best warranty of the market : 7 years for the turbine
  - ◆ Magnetic bell cup fastening system - the safest system on the market



## Technical data table

| Designation                       | Value                               | Unit: metric (US)   |
|-----------------------------------|-------------------------------------|---------------------|
| Weight                            | 14 (31)                             | kg (lbs)            |
| Viscosity Scale (min-max)         | 20 - 50                             | seconds FORD Cup.#4 |
| Standard Material Supply Pressure | 6 - 8                               | bar (psi)           |
| Maximum Material Pressure         | 10                                  | bar (psi)           |
| Minimum Paint Flow                | 50 (0.013)                          | cc/min (gal/min)    |
| Standard Paint Flow               | 500 (0.13)                          | cc/min (gal/min)    |
| Maximum Paint Flow                | 800 (0.21)                          | cc/min (gal/min)    |
| Shaping Air Consumption (min-max) | 300-800                             | NI/min              |
| Paint Resistivity (min-max)       | <3                                  | MOhm.cm             |
| Rotation Speed                    | 15 - 85000                          | rpm                 |
| Voltage Max                       | 90                                  | kV                  |
| Current Max                       | 200                                 | µA                  |
| ATEX Certification                | II 2 G T6 350 mJ < Ex < 2J          |                     |
| ATEX Certification                | Booster: II 2 G Ex h IIA T4 Gb      |                     |
| High Voltage Unit                 | UHT157W / UHT157I                   |                     |
| High Voltage Control Module       | GNM300: II (2) G [350 mJ < Ex < 2J] |                     |