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## ACCUBELL 709 EVO ROBOTIC ROTARY ATOMIZER



Compact atomizer for all application

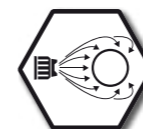
Fast color change

Low paint loss

### Related Technologies



ATEX Regulation



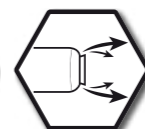
Electrostatic



Ex Shape



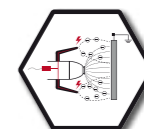
HVT



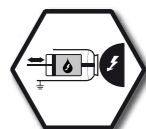
Hi-TE



Quick Disconnect



Internal Charge



Accubell EVO



Magnetic Cup



Rotating Bell

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# ROBOTIC SPRAYER FOR WATER BASED PAINT WITH INTERNAL ELECTRIC CHARGE

## ACCUBELL 709 EVO

**ACCUBELL® 709 EVO** is a compact internal charge bell atomizer with a docking station fixed on the booth wall.



### FIELD OF APPLICATION

Whichever the product, the operating modes may be:



Primer	✓	✓	✓
Base	✓	✓	✓
Clearcoat	-	-	-

**ACCUBELL®** system is improving again performances and efficiency to a class-leading level for water based paint application with internal charge.

### TECHNICAL DATA

<b>Weight</b>	<b>ACCUBELL 709 EVO</b>	
Spare atomizer, without cable or hose	14 kg	
<b>Pneumatic supply</b>	<b>ACCUBELL 709 EVO</b>	
Drive air consumption	10 NI/min.	
Magnetic turbine bearing air consumption	125 NI/min.	
Shaping air consumption	From 200 to 850 NI/min. <sup>(1)</sup>	
Turbine rotation air consumption	From 100 to 700 NI/min. <sup>(2)</sup>	
<small>(1): with respect to air shroud and bell being used - (2): with respect to sprayed flow and rotation speed</small>		
<b>Product supply</b>	<b>ACCUBELL 709 EVO</b>	
Paint flow (depending on paint type)	50 to 800 cc/min. <sup>(3)</sup> maxi.	
Viscosity scale (for minimum results)	20 to 50 seconds FORD #4 Cup	
<small>(3): with a product density &lt; 1.1 gr/cm<sup>3</sup> and/or of the combination bell and air shroud being used</small>		
<b>Performances</b>	<b>HVT</b>	
Rotation speed	15 to 85 000 rpm (upon diameter of bell cup used)	
Application speed	up to 1000 mm/sec	
<b>Color change (head rinsing + bellcup)</b>	<b>ACCUBELL 709 EVO</b>	
Paint consumption	12 cm <sup>3</sup> for High runner colors - 17cm <sup>3</sup> for Low runner colors	
Rinsing product consumption <sup>(4)</sup>	250 - 350 cm <sup>3</sup>	
Color change time <sup>(5)</sup>	9.5 sec. + 1 sec. for 166 cm <sup>3</sup>	
Total colorchange time <sup>(5)</sup>	14.5 sec. for 800 cm <sup>3</sup> filled	
<b>Refilling paint tank</b>	<b>ACCUBELL 709 EVO</b>	
Paint loss	0 cc	
time	< 10 sec.	
<b>High Voltage</b>	<b>UHT 157 w</b>	<b>UHT 157 i</b>
Voltage maxi.	90 kV	60 kV
Current maxi.	200 µA	200 µA

(4): standard cleaning cycle, depending on paint properties & solvent efficiency - (5): At 150 mPa.s for 250s-1

#### ATEX marking:

**ACCUBELL 709 EVO:**  
 CE 0080 II 2 G  
EEx > 350 mJ  
 ISseP05ATEX032X

**GNM 200<sup>(6)</sup>:**  
 CE 0080 II (2) GD  
[EEx > 350 mJ]  
 ISseP05ATEX032X  
 ISseP06ATEX032X  
 ISseP07ATEX001X

(6): This control module allows piloting the UHT. It is a device that is part of the configuration of the certified equipment and that contributes to its good working. It has to be installed into a non explosive area.

## CUSTOMER BENEFITS

### FAST COLOR CHANGE

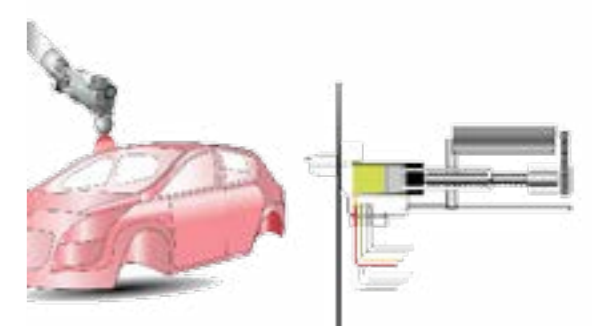
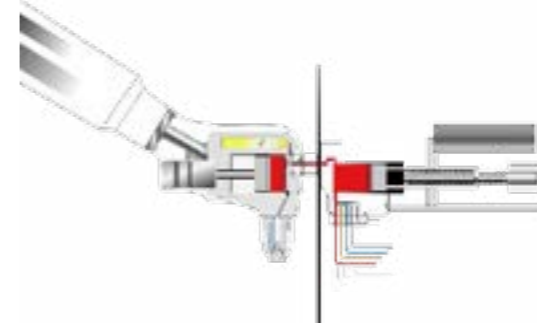
- **Transfer filling station:** compatible with every existing paint circulating supply.
- Color change block **outside the booth.**
- **Fast** color change.

- High accurate paint flow rate +/- 1cc/min equals -2% consumption vs gear pump.
- Minimum paint loss: **0cc** for same color **12cc** for different color

- During EVO painting, next color is filling the transfer tank:

**First phase:** a transfer tank, located in the docking station, fast fills with the exact amount of paint, into the tank of the atomizer.

**Second phase:** the atomizer sprays, while the transfer tank is preparing the next colour.



### FLEXIBILITY

This solution improves waterborne applications:

- Compact design for every type of application
- The internal charge atomizer gives a strong pattern, compatible with any tip speed, up to 1,000 mm/s
- Available Gun version

- Available 2K version (contact SAMES)
- The internal charge bell repels the overspray, dramatically reducing contamination and the cleaning down time
- Double circuit for additional SB paint

### DIMENSIONS (mm)

