

### Equipment

Designation	Content	Part number
INOHELL equipment	INOHELL + CS130 + support + cable and hoses (15m)	910020762
INOHELL integrator kit	INOHELL + TCR + CS130 + support + cable and hoses (15m)	910008096

### Kits

Designation	Part number
High powder flow	910003361
Tool set	910008097

### Spare Parts

Designation	Part number
13 mm powder hose (for high flow)	900017738
12 mm powder hose (standard)	900017737#




## Inobell

Powder Bell Sprayer

Powder / Automatic Bells



POWDER COATING SOLUTIONS FOR HIGHEST PRODUCTIVITY

-  **High transfer rate**
-  **Easy maintenance & integration**
-  **Excellent finishing quality**

### Markets



BOND • PROTECT • BEAUTIFY



# Inobell

## Powder Bell Sprayer

Inobell is a rotating electrostatic powder bell sprayer that delivers high performance, excellent finishing quality & easy integration.

To meet the requirements of companies looking to improve paint savings, **Sames** has designed **Inobell**, the **electrostatic powder bell with high performance, excellent finishing quality and easy integration**. It allows the application of powder paint on all types of surfaces with a particular effectiveness on flat surfaces.

Derived from the spraying technologies used in liquid paint for the automotive market, the **Inobell rotating powder bell sprayer** differs from traditional application equipment by its exceptional quality of application and finish. The powder spray, centrifuged by the rotating bell, is more homogeneous and less directive than a conventional round or flat spray nozzle. The mechanical effect is thus limited and the powder particles are much more subject to electrostatic forces, resulting in an increase in transfer efficiency.

The rotating electrode guarantees a **very good electrostatic charge** for powder flow rates up to 30 kg / h while maintaining a high transfer efficiency. Powder centrifugation allows obtaining a regular thickness and thus controls standard deviations (écart type) for savings in paint deposited on the part.

Inobell technology using a rotating electrode associated with a counter electrode allows maximum powder charge. Performance is naturally higher on large flat surfaces. It could be mounted on a flat conveyor.

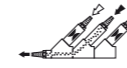


## Technical data table

Designation	Value	Unit: metric (US)
Maximum Air Pressure	8 (116)	bar (psi)
Weight	3.6 (127)	kg (oz)
Transfer Ratio	85	%
Shaping Air Consumption (min-max)	0-80	NI/min
Bearing Air Consumption	60	NI/min
Rotation Speed	6500 - 8500	rpm
Voltage Max	75	kV
Current Max	100	µA
Air consumption maxi	21	Nm <sup>3</sup> /h
Maxi powder flow	30	kg/h
Standard powder flow	20	kg/h
Rotation air consumption (min-max)	40 -100	l/mn
Length	320 (12.6)	mm/in
Powder bell + tube length	1335 (52.6)	mm/in
Tube support diameter	50 (2)	mm/in
ATEX Certification	ISseP09ATEX027X	
ATEX Certification	II (2) D	
High Voltage Unit	UHT 165	
High Voltage Control Module	CRN458	



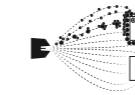
## Technologies



FCC (FAST COLOR CHANGE) TECHNOLOGY



Powder Bell Cup



CORONA CHARGE

## Performance

- 1 Integrated high voltage unit
- 2 Variable air shroud for proportional control of impact width
- 3 High-performance speed sensor adapted to the powder environment. Speed is maintained regardless of the powder flow.

## Productivity

- 4 Counter electrode for a perfect finish
  - 5 Control of the deposited powder thickness to reduce powder consumption (C: conventional powder gun spraying)
  - 6 Constant and stable spraying for a homogeneous application with control of the impact width
- ◆ High transfer rate with high powder flow (30 kg/h)

## Sustainability

- 1 Integrated cascade (no high voltage cable) and proven
  - 7 Interchangeable turbine cartridge, easy maintenance
  - 8 Easy removal of the powder bell
- ◆ Very good resistance to abrasion
  - ◆ Guaranteed protection of the bearings



## Description

