

Equipment

Designation	Part number
INOBELL integrator kit	910008096
INOBELL equipment	910020762

Kits

Designation	Part number
Tool set	910008097
High powder flow	910003361



Inobell

Powder Bell Sprayer

Powder coating solutions for highest Productivity

Product highlights

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



 Additional information

- User manual
- Spare parts
- Accessories
- Documents
- Videos



Inobell

Powder Bell Sprayer

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



Adapted industrial markets

ACE*

Industrial

Transportation

Technical data table

Designation	Value	Unit
Maximum Air Pressure	8 (116)	bar (psi)
Optimal Transfer Efficiency	90	%
Powder Electrostatic Technology	High Tension Unit	
Length	320 (12.60)	mm (in)
Air Consumption	21	m3/h (cfm)
Pilot Air Consumption	NI/min	NI/min
Shaping Air Consumption (min-max)	0-80 NI/min	NI/min
Bearing Air Consumption	60 NI/min	NI/min
Rotation air consumption (min-max)	40 -100 l/mn	NI/min
Maximum Air Consumption	21	m3/h (cfm)
Weight	3,6	kg (lbs)
Weight	(127)	g (oz)
High Voltage (maximum)	60	kV
Current Max	100	µA
High Voltage Unit	UHT 165	
High Voltage Control Module	CRN458	
Voltage Max	75	kV
Powder Output Max	450	g/mn (oz/mn)
Certification	CE, Atex	
Rotation Speed	6500 - 8500 tr/min	tr./min (rpm)
Standard powder flow	20	kg/h
Tube support diameter	50 (2)	mm (in)

Marking

Product	Type
Inobell	CE 0080 CE, Atex

*: "AgricultureConstruction and Earthmoving"

Technologies

Spraying

Electrostatic

Description

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.

Performances

- 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

