

Inobell R

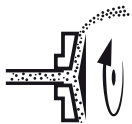
Inobell R meets the most demanding criteria of finishing quality, ease of operation, robotic adaptability, electrical safety, reliability, and ease of maintainability.

- Increased productivity
- Excellent finishing quality
- Easy maintenance

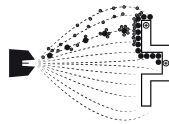


TECHNOLOGIES:

ROTATING BELL APPLICATOR



CORONA CHARGE



SPECIFICATIONS DETAIL FOR EACH EQUIPMENT

GUN		Inobell
Weight w/o hoses (kg)		5.2
Powder flow ⁽¹⁾ (kg/h)		up to 30
Low voltage cable to TCR (m)		15 or 30
Max voltage (kV)		75
Max current (µA)		100
Pre-set rotation speed (rpm)		7500 (Vmin = 6500 and Vmax = 8500)
Shaping air flow (NI/min)		0 - 80 (proportional from 0 to 100%)
Bearing protective air flow (NI/min)		60
Air supply turbine rotation (NI/min)		40 - 100
CONTROL MODULE		TCR
In a rack (2 modules on front face)		19" / 2U
Air feeding pressure (bar)		7 (+/- 1)
Max air consumption (NI/min)		350
Max air with high flow rate kit (NI/min)		380
Power supply		90/270 Vac - 50/60 Hz
Maxi power (VA)		90

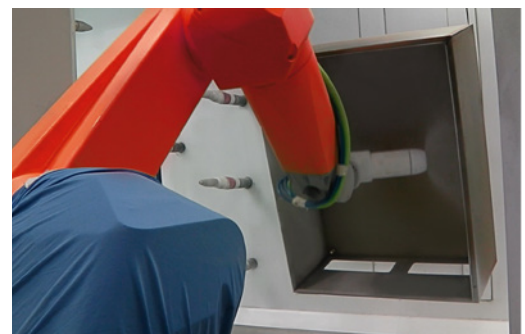
(1): it depends on the type of powder hose

ATEX MARKING:

Inobell
CE 0080 II 2D
EEx <350 mJ
ISSEP09ATEX027X

CRN458
CE 0080 II (2) D
[EEx <350mJ]
ISSEP09ATEX027X

Powder Turbine Supply
CE 0080 II (2) D
ISSEP09ATEX027X



Inobell R

ADVANTAGES OF THE ROTATING BELL

The powder is supplied via the central tube and is rotated by the bell cup. It is electrically charged when it leaves the bell and heads towards the object to be coated in a very wide and enveloping spray. The powder is both electrically charged and sprayed by this flat shaped bell, that rotates at high speed. The bell itself acts as an electrode by bombarding the powder particles with ions, thus providing the powder with a high electrical charge.

The rotary bell cup associated to the high voltage ensures:

- A high level of productivity (paint flow of over 500g/min).
- Homogeneous coating.
- An adjustable spray paint pattern.
- A maximum coverage of parts to be paint (the electrostatic wrap round effect permits a transfer of paint behind the part).

TECHNOLOGICAL INNOVATIONS

- Integrated high voltage unit (UHT165)

No high voltage cable:

- Less maintenance,
- Easy to install,
- Staff safety.



- Simplified design:
 - Compact and ergonomic system,
 - Access and wiring improved,
 - Equipment simple to install,
 - Number of parts reduced.



- An economy of paint (the transfer efficiency is high, and can reach over 80%) thanks to the high transfer charge. The precise control of the coating thickness is made possible by the powder bell powder is economised.

- New removable turbine cartridge: Integrated & variable shaping air (proportional adjustment on TCR module),

- Removable powder bell cup,
- Improved bearing protection,
- Improved motor efficiency.



- Flexible air shroud: This enables a fast and marked variation of the size of impact. Controlling the pattern allows the width of the impact to be proportionally adjusted during application (from 300 to 450 mm).

- New speed measuring system:
 - Greater precision in the application of the paint.

ROBOTIC POWDER COATING EQUIPMENT

Description	Low voltage cable (m)	Powder hose (m) (ø12x17 mm)	TCR	Robot support	Powder pump CS130	Part Number
Inobell Projector	-	-	-	-	-	910007600
Integrator kit Inobell R ⁽¹⁾	15	15	✓	✓	✓	910011722

Powder hose dia. 11x16 mm PN: 130001649# / dia. 12x17 mm PN: 900017737# / dia. 13x18 mm PN: 900017738# (hose= in lots of 50 meters)



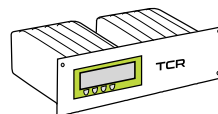
Inobell projector



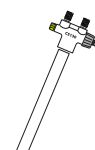
Air hoses Robotic support



Powder hose



TCR (CRN548)



CS130



robotic sleeve

Integrator Kit Inobell R

(1): supplied with robotic support + low voltage connection (15m) + powder hose ø12x17 mm (15m) + air hoses (15m) + Black flexible sleeve (6m) + Powder pump CS130 + Plunger + TCR module