



Inogun R- RD - RC

Robotic powder gun

Modular design for flexible integration and process evolution

Product highlights

- Lifetime finish quality: Long life cascade durability and HV performance
- Efficient powder transfer: TEC5 technology
- Reduced downtime: Quick gun change in less than 1 minute



BOND • PROTECT • BEAUTIFY

Inogun R- RD - RC

Robotic powder gun

The Inogun robotic applicators R, RD, and RC are examples of our knowledge and expertise for providing the best electrostatic technology for robotic powder applications.



Adapted industrial markets



ACE*



Industrial



Transportation



Technical data table

Designation	Value	Unit
Maximum Air Pressure	7 (101.50)	bar (psi)
Air Supply Pressure	7 (101.50)	bar (psi)
Optimal Transfer Efficiency	82	%
Length (gun only)	460 (18.10)	mm (in)
Air Consumption	2 - 10 (1.2 - 5.9)	m3/h (cfm)
High Voltage (maximum)	100	kV
Current Max	110	µA
Powder Output Max	450(63.70)	g/mn (oz/mn)
Relative Humidity Max	80	%

Marking

Product	Type
Inogun R- RD - RC	CE 0080 

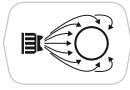
*: "AgricultureConstruction and Earthmoving"



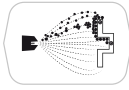
Technologies



TEC5



Electrostatic



CORONA Charge



Spraying



Description

The Inogun robotic applicator R, RD, and RC built with a common base are thoroughly tested for robotic powder applications. We are providing 3 different versions of the applicator and they are fitted with a different robot bracket: Inogun R for a single gun, Inogun RD for (2) parallel guns, and Inogun RC for (2) convergent guns.

Powder and energy savings have been implemented at the heart of the gun to reduce waste and enhance productivity and powder finish quality. TEC5 Technology (Transfer Electronic Control) ensures self-regulation of the electrostatic charge, taking into account the powder flow and distance of the parts, to optimize powder transfer efficiency and finish quality.

The powerful high voltage unit paired with the high voltage control unit delivers a high wraparound effect on large parts (D. 500 mm / 20 in) and has deep penetration into recessed areas. This reduces the cost of ownership with a better use rate of powder and reduces spray time. Pre-touch and touch-up actions are significantly reduced. The gun parts inside and outside the gun are smooth making color change quicker.

The Inogun R series applicators are controlled by the built-in Inocontroller which monitors the cascade and all air controls: high voltage, current, electrode cleaning air, injection, and dilution.

Performances

- 1 Easy and accurate settings for voltage and current
- 2 - Constant and stable spray for a smooth and even application
- 3 - TEC5 technology offers a high-quality finish
- Fast color change without cross-contamination

Productivity

- 3 TEC5 technology delivers high transfer efficiency
- 4 - Wide range of adapted nozzles for optimal application
- 5 - Powerful cascade providing a strong wraparound effect
- 6 - Advanced HV control for excellent penetration in recessed areas
- 6 - All common communication types are supported by the Inocontroller module
- Modular gun design for easy integration

Sustainability

- 3 Highly abrasion-resistant nozzles
- 5 - Heavy-duty electrostatic cascade
- 7 - Quick disconnect 1 minute, only 1 operator needed to change gun
- Designed for heavy industrial use



Equipment

Designation	Part number
Pack Inogun RC, 2 Inocontroller, 2 pumps, RC bracket, 30m	910029969
Pack Inogun RD, 2 Inocontroller, 2 pumps, RD bracket, 30m	910029968
Pack Inogun R, Inocontroller, pump, R bracket, 30m	910029967

 Additional information

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

