

MITSUBA SYSTEMS

Corona Powder Spray System for FPI

Spraying developer powder is one of the most crucial steps in Fluorescent Penetrant Inspection process. Mitsuba has mastered the art and science of electrostatic spray of developer powder.

Benefits :

- Special powder feeding system for developer powder
Entire range of nozzles to select from for highest transfer efficiency
- A most easily maneuverable, well balanced and efficient powder gun constructed from wear-resistant material, specially rounded to prevent impact fusion and thus provide a smooth uninterrupted flow.
- The gun has a patented replaceable power cartridge. (Mitsuba US patent no.5678770). In the unlikely event of a malfunction, all you do is



...simply pull the barrel



replace the power cartridge



tighten the nut and you're ready to go

SCOPE OF SUPPLY

- A corona powder spray gun with an integrated 100KV electrostatic high voltage generator and patented replaceable power cartridge specially made for the FPI process
- Dual electro- pneumatic control panel with a trendsetting new Smart Tracker. Corona & Tribo gun can be operated from the same panel
- Stainless steel powder hopper 25 Kgs with Stirrer, All accessories for startup

PNEUMATIC DATA

Optimum Input Pressure : 6 bar
Max water vapour required: 1.3 g/m³
Max oil vapour required: 0.1 ppm
Maximum air consumption: 13.2 m³/hr

ELECTRICAL DATA

Single phase AC : 220V or 230V / 110V
Safety class : IP 54
Temp Range: +2°C to 50°C
Input Voltage: 10V eff
Output Voltage: 100KV DC
Output Current : 100µA

Cracks clearly visible after fluorescent spray



SMART TRACKER



STIRRER HOPPER



WIDE RANGE OF NOZZLES



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