



SUPERIOR QUALITY AND APPEARANCE

INCREASED TRANSFER EFFICIENCY

introduces the ...

DIGITAL CONTROL

FS50 Rotary Atomizer

Description

The FS50 electrostatic paint rotary atomizer has been precision engineered to provide you with a superior finish and exceptional transfer efficiency.

The FS50 is designed to be connected to a reciprocating machine or a flexible robot such as an ABB or Fanuc. Its unique Air Bearing Atomizer can easily obtain speeds of 70,000 rpm.

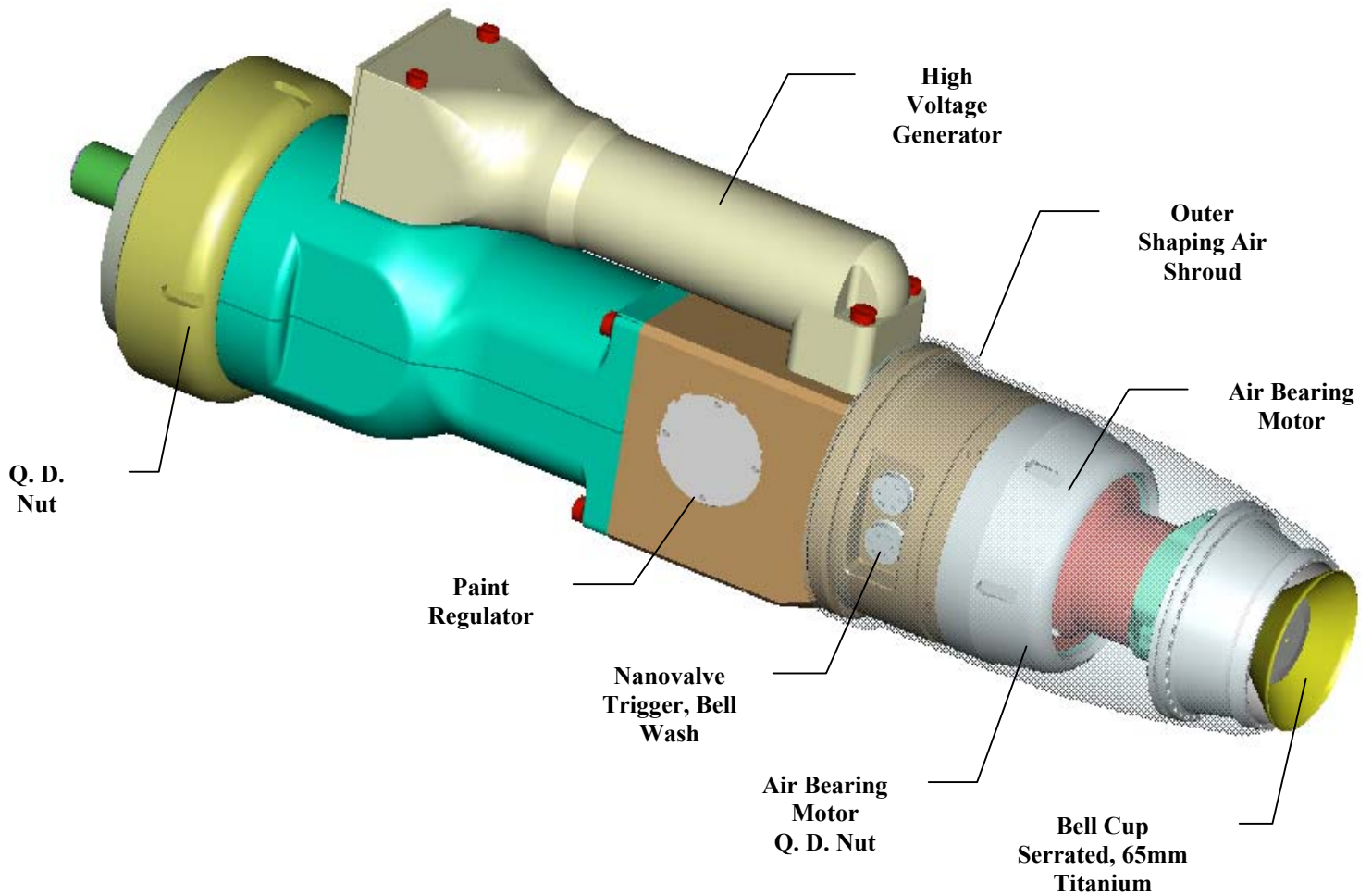
Features

- **Aerodynamic Design**
- **Single Paint Line with Dual Paint Line Option**
- **Built in Fluid Regulator 0-1000cc/min**
- **Microvalve Dump, Nanovalve Trigger**
- **Titanium Bell Cups: 65mm, 55mm, 30mm**
- **Serrated, Super Sharp and Super Round Bell Cups**
- **Internal and External Bell Wash**
- **Split Shroud with Multiple Configurations**
- **Vortex, Straight and Velocity Air**
- **Digital Power Supply and Quad Turbine Speed Card with RS232 and RS422 Interface**
- **Digital Closed Loop Shaping Air Control With Mass Air Flow Meter**
- **Fiber Optic Speed Control**
- **Quick Disconnect for Rapid Removal**
- **Hose Bundle w/ Swivel Hosing**
- **Integrated Fiber Optic Pick Up in Bell Unit**
- **Solvent / Air Valving at Tip of Bell Cup**
- **100% Made in the USA**



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ISO 9001
QUALITY MANAGEMENT SYSTEM



General Characteristics:

Dimensions: See figures below
 Weight: Approximately 11.0 lbs
 Voltage: 0 to 100 kV adjusted manually or by PC analog input
 Paint Regulation: 50 to 1000 cc/min by remotely piloted pneumatic input or PC control
 Single Paint: Paint 1
 Bell Cleaning Time: 2 seconds
 Speed Readout: Fiber Optic

High Voltage Characteristics:

Maximum Voltage: 100kV
 Maximum Current: 200 μ A
 Fault Indications: Current, Voltage and Line
 Constant Voltage or Current: DI/DT or DV/DT

Turbine Specifications:

Turbine Type: Air Bearing Impulse Drive (Orifice Jet)
 Turbine Speed: 0 – 70,000rpm (Continuous / Intermittent)
 Air Consumption: at 30,000rpm, 15psi @ 5.6scfm
 Bearing Air: 90psig \pm 10psig 2.0 scfm
 Brake Air: 60psig

