Precision Ultrasonic Coating Solutions

Novo**Coat**

Ideal for mid-to-high-volume production, NovoCoat is easily configured with Sono-Tek ultrasonic nozzles to customize spray patterns for your specific application. Patterns are easily shaped, ranging from 0.08 - 6" wide (2 - 153 mm). Several liquid delivery options are available with a wide range of flow rate capabilities, depending upon the system configuration.

Machine size selection is dependent upon application. Common spray area sizes are:

- 600 x 600mm
- 800 x 800mm

600 x 600mm shown

• 1000 x 1000mm

NovoCoat is a standalone programmable three-axis robot ultrasonic full coating solution. Single or multiple Sono-Tek ultrasonic nozzles can be integrated. A variety of system options are available for integration. Windows[®]-based software makes it easy to program and store spray patterns for automated processes. NovoCoat is available in several gantry sizes to suit small to large substrates.

NovoCoat includes many integrated features:

- Robust standalone enclosure
- SMEMA convevor capable
- Windows®-based programming software (PC included)
- · Intuitive joystick for nozzle motion and teaching programs
- · Coordinated motion in all three axes simultaneously
- Integrated nozzle power, pump control, and heat plate control (optional)
- · Sealed linear slides to protect ball screw drives
- Optional heat and/or vacuum plate: 600mm system – 550mm x 550mm 800mm system – 750mm x 750mm 1000mm system – 950mm x 950mm

Sono-Tek ultrasonic nozzles feature:

- Up to 80% reduction in material consumption
- Reduced wasteful overspray and atmospheric contamination
- · Non-clogging nozzle design results in minimal servicing and downtime
- · Precise, repeatable spray patterns are easily shaped
- Controllable spray produces reliable, consistent results
- Corrosion-resistant titanium and stainless steel construction
- · Ultra-low flow rate capabilities, intermittent or continuous
- · No moving parts to wear out





Dual nozzle configuration with AccuMist and MicroMist air shaping



MICROMIST

VORTEX

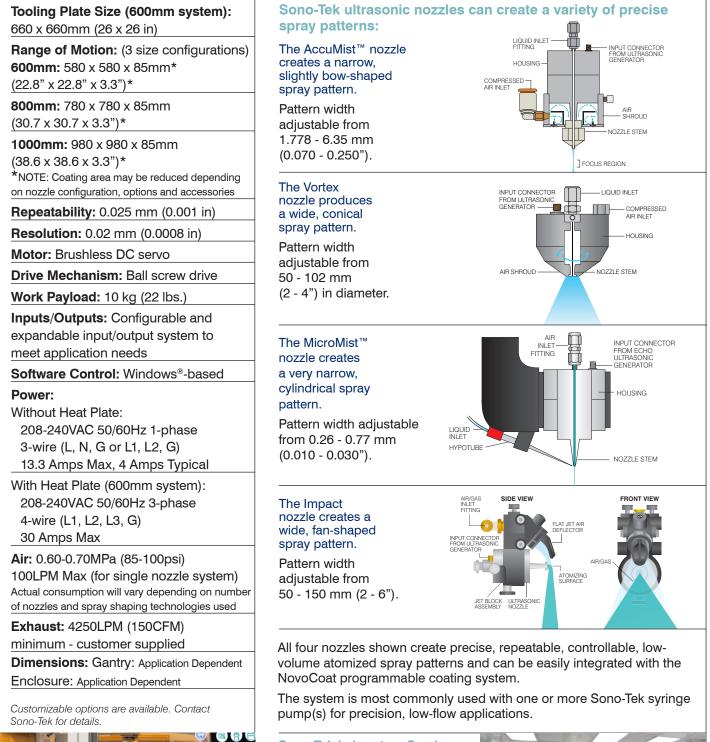




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NovoCoat Programmable Coating System Specifications





Sono-Tek's in-house laboratory services offer the expertise of our engineering and technical staff in resolving process issues and tailoring our technology to meet the needs of our customers.

SONO •TEK Corporation Corporate Headquarters: 2012 Rte. 9W, Milton, NY 12547 USA leadership through innovation Phone: (845)795-20 Fax: 8(45)795-2720

Phone: (845)795-2020

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