# Flexi•Coat<sup>OP3</sup>

Ideal for R&D or low-volume production, the FlexiCoat<sup>OP3</sup> 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.



Multiple nozzle configuration

The FlexiCoat<sup>OP3</sup> is a standalone programmable three-axis robot ultrasonic full coating solution. This system employs robust ballscrew slides driven by brushless DC servo motors. Any Sono-Tek ultrasonic nozzle can be integrated. Spray pattern widths can be easily shaped depending on which nozzle is used. Custom Windows-based software makes it easy to program and store a variety of spray patterns for automated processes.

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#### The FlexiCoat<sup>OP3</sup> includes many integrated features:

• Robust standalone enclosure

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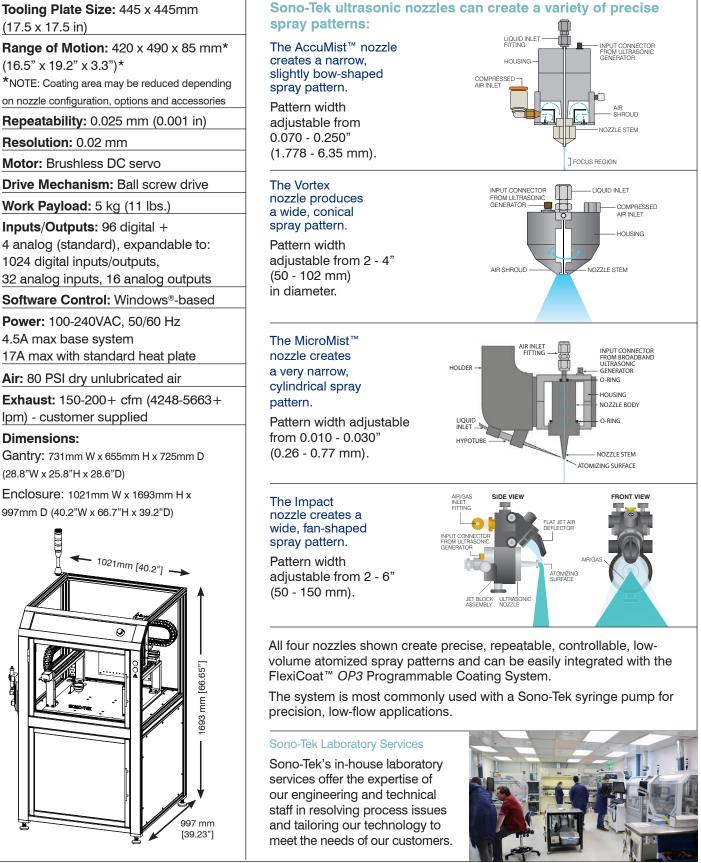
- 420 mm x 490 mm x 85 mm (16.5" x 19.2" x 3.3") range of motion (X, Y, and Z axes respectively)
- Windows®-based programming software (PC included)
- On-screen teach device
- Coordinated motion in all three axes simultaneously
- Integrated nozzle power, pump control, and heat plate control (optional)
- Sealed linear slides to protect ball screw drives

#### Sono-Tek ultrasonic nozzles feature:

- Up to 80% reduction in material consumption
- Reduced wasteful overspray and atmospheric contamination
- Non-clogging design results in minimal servicing and downtime
- Precise, repeatable spray patterns are easily shaped
- Highly 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



### FlexiCoat<sup>OP3</sup> Programmable Coating System Specifications



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