

Exacta•Coat™

PROGRAMMABLE
COATER

The ExactaCoat is a programmable three-axis robot that is ideal for any spray coating application. This system employs robust ball-screw slides driven by stepping motors. Any Sono•Tek ultrasonic nozzle can be integrated. Spray pattern widths can be easily shaped depending on which nozzle is used. An optional top frame is available to fully enclose the work area if required.

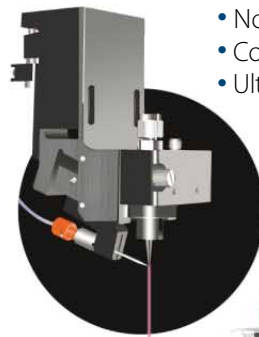
Includes many integrated features:

- Compact benchtop design that favors portability
- 400 mm x 400 mm x 100 mm (15.75" x 15.75" x 3.94") range of motion
- Includes Windows®-based (programming) software
- Coordinated motion in all three axes simultaneously
- Base mount of the x-axis permitting motion of the work area
- Front panel LCD screen with function keys
- Nozzles can be easily interchanged to produce spray patterns ranging from 0.010" to 6" wide)

Sono•Tek ultrasonic nozzles feature:

- Up to 80% reduction in material consumption
- Reduced wasteful overspray and atmospheric contamination
- Minimal servicing and downtime
- Spray patterns that are easily shaped for precise coating applications
- Highly controllable spray produces reliable, consistent results
- Non-clogging
- No moving parts to wear out
- Corrosion-resistant titanium and stainless steel construction
- Ultra-low flow rate capabilities, intermittent or continuous

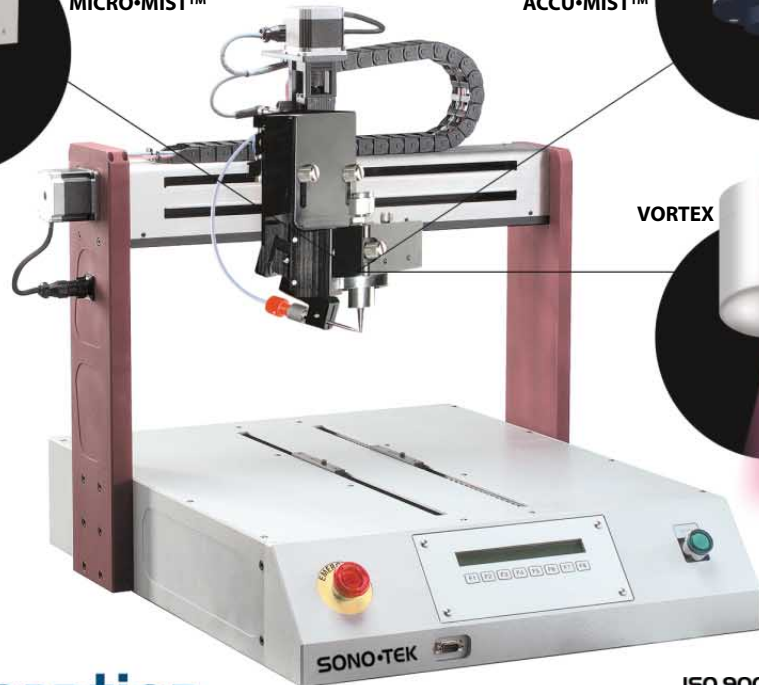
ULTRASONIC SPRAYING SYSTEM



MICRO-MIST™

ACCU-MIST™

VORTEX



SONO•TEK Corporation

ISO 9001:2000
CERTIFIED

Exacta•Coat™ Programmable Coater Specifications

Work Area: 400 x 400 x 100 mm
(15.75 in x 15.75 in x 3.94 in)

Repeatability: 0.04 mm (0.0016 in)

Resolution: 0.02 mm (0.0008 in)

Motor: Stepping

Drive Mechanism: Ball Screw Drive

Work Payload: 11 kg (24.2 lbs.)

Tool Payload: 6 kg (13.2 lbs.)

Inputs / Outputs: 52

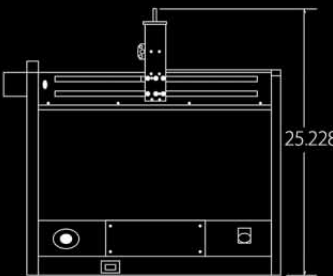
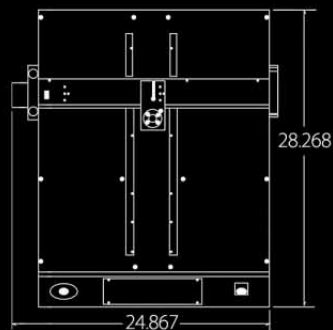
Software: Windows®

Power: 110V / 60 Hz, 220 V / 50 Hz

Air: 80 PSI dry unlubricated air

Certification: CE certified

Dimensions (in inches):



Optional Syringe Pump Specifications

Flow Rate Change:
0.01µl/hr - 71 ml/min (60 ml syringe)

Flow Rate Stability: ± 1%

Syringe Size Change: 10µl - 60 ml

Input Power: 95 - 130 or 220 - 260 VAC,
50/60 Hz (internal selector switch)

Input/Output Interfaces: RS232C &
TTL types for control of pump & nozzle

Capacity:

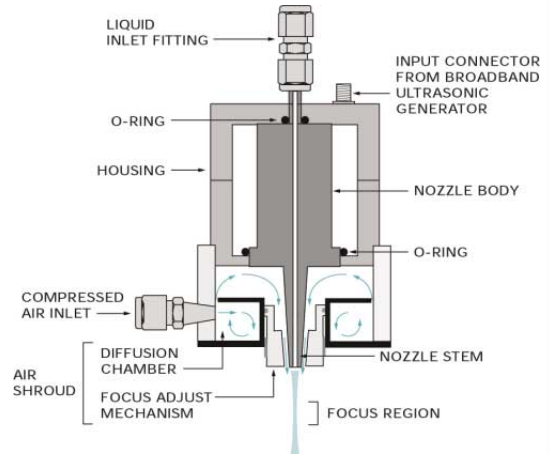
Two (2) syringes: up to 60 ml each,
or one (1) syringe: up to 140 ml

Syringes: 10 ml or 50 ml Hamilton (glass)

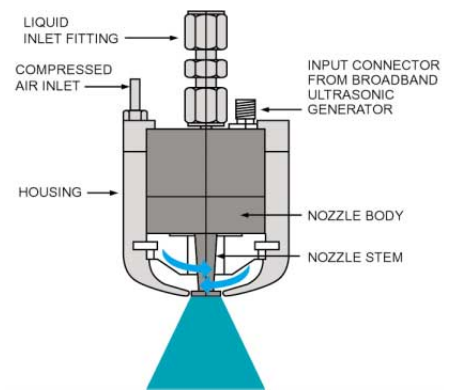
Additional liquid delivery options
available. Contact LICO for details.

Sono•Tek ultrasonic nozzles can create a variety of precise spray patterns:

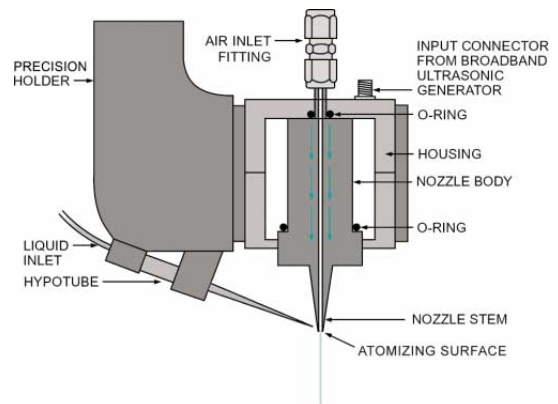
The AccuMist™ nozzle creates a narrow, slightly bow-shaped spray pattern.



The Vortex nozzle produces a wide, conical spray pattern.



The MicroMist™ nozzle creates a very narrow, cylindrical spray pattern.



All three nozzles shown create precise, repeatable, controllable, low-volume spray patterns and can be easily integrated with the ExactaCoat™ Programmable Coating System.

The system is most commonly used with a Sono•Tek syringe pump for precision, low-flow applications. The ExactaCoat™ is an extremely flexible tool ideal for R&D or low volume production.

SONO•TEK Corporation
leadership through innovation

LICO Electronics GmbH,
Klederinger Str. 31, A-2320 Kledering
Tel + 43 1 706 43 000 Fax +43 1 706 41 31
www.loettechnik.com office@lico.at

ISO 9001:2000
CERTIFIED