

••• Precision Ultrasonic Coating Systems Blood Collection Tube Nozzles

MedXT SERIES

Specially designed for high volume blood collection tube manufacturing, the NEW! MedXT Series ultrasonic nozzle from Sono-Tek ensures high uniformity of coatings with the greatest level of dispense volume accuracy and superior repeatability of coatings with tighter drop distribution than ever before.

MedXT Series advantages over other BCT coating technologies:

- Greater uniformity and repeatability of coatings
- Integration with ECHO technology allows more precise fine tuning of atomization process, even at ultra low flow rates
- ECHO ultrasonic generators produce tighter drop distribution with smaller droplets
- Precision dispense volumes

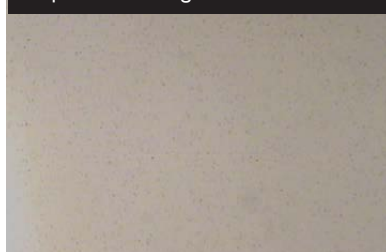


Ultrasonic Spray Advantage

Without Ultrasonics



Dispensed through Ultrasonic Nozzle



Deagglomeration of Silica particles due to ultrasonic vibrations



Common Liquids Sprayed

- Clot activators
- Anti-coagulents
- Heparin
- Silicone
- EDTAs
- Silica
- Acid Citrate Dextrose (ACD)



Capable of coating targeted sections or full tubes, as well as layering multiple coatings, the soft, low velocity atomized spray adheres to tube side walls without overspray.

10-up configurations easily integrate into OEM high volume throughput manufacturing lines. The unique slim design allows for nozzles to be placed closely together at standard BCT rack distances. 10-up configurations typically process up to 12,000 tubes per hour.



Rack mount precision ECHO ultrasonic generators



Conical and focused tip configurations are available, depending on the diameter and length of the tube being coated.

SONO•TEK Corporation

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MedXT

is available in 3 common configurations



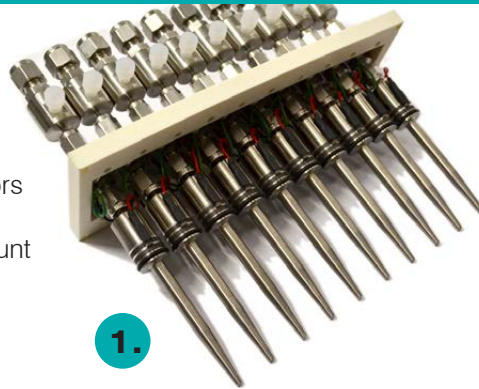
OEM Configuration

Designed for OEM BCT equipment manufacturers to easily integrate onto existing tube manufacturing equipment.

Components of the system:

1. 10-up rack mount ECHO ultrasonic generators with or without DC power supply
2. 10-up ultrasonic nozzle array - customer mount

**Customer to supply liquid pump delivery*

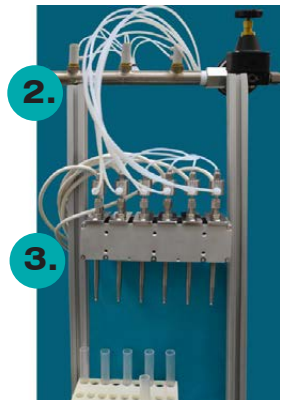
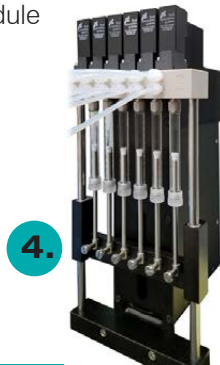


Retrofit Configuration

Designed for BCT manufacturers to easily replace existing air spray nozzles with advanced ultrasonic atomization nozzles.

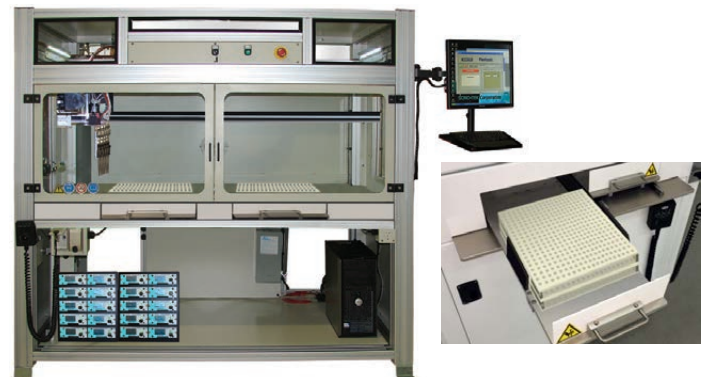
4 separate modules make up the complete kit:

1. MedXT electronics control module
2. Air/Gas flow control module
3. Ultrasonic nozzle spray assembly module - to be mounted on customer supplied vertical actuator
4. Integrated high precision syringe pump for each nozzle



Standalone Configuration

MedXT Standalone is a fully enclosed, multi-axis programmable motion coating system designed for automated processing of high volume BCT racks. Configurations with sets of 10 or 20 nozzles are available. The dual slide out drawer design allows coating of one fixture while the other fixture is being loaded.



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Printed in USA
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MedXT15_r4