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MICRO, SMALL & MEDIUM ENTERPRISES

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Newly Launched

High Frequency Ultrasonic Spray Coater



Already Installed at:

**Tata Steel R&D Center
and more...**

**Alternative Energy | MEM's / Semi-Conductors |
Protective Films | Electrocatalyst Substance Coating |
Medical Industry | Lenses Coating | Electrochromic
Coating**

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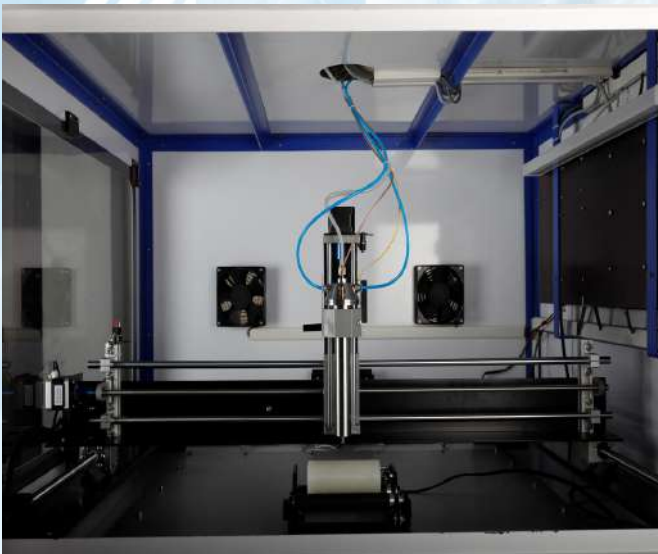
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Ultrasonic Spray Coater

Ultrasonic Spray Coater is embedded with low velocity spray technology that creates nano particle size and micron thickness, uniform thin films with no splattering or overspray. It is highly precise, more controllable and be repeated easily. The unpressurized, low-velocity spray can be easily controlled which significantly reduces the amount of overspray since the drops settle on the coating substrate, rather than bouncing off it. This results into substantial material savings. 120Khz Generator helps is producing particle size ~ 20 to 25 microns.



Ultrasonic Spray Coating Benefits:

- Reduced material consumption
- Reduced wastages / process loss
- Reduced Splattering / overspray
- Highly controllable spray for reliable, consistent results with precise coating
- Corrosion-resistant construction
- Ultra-low flow rate capabilities using the syringe pump
- Ability to control atomized drop size by varying the feed flow rate.

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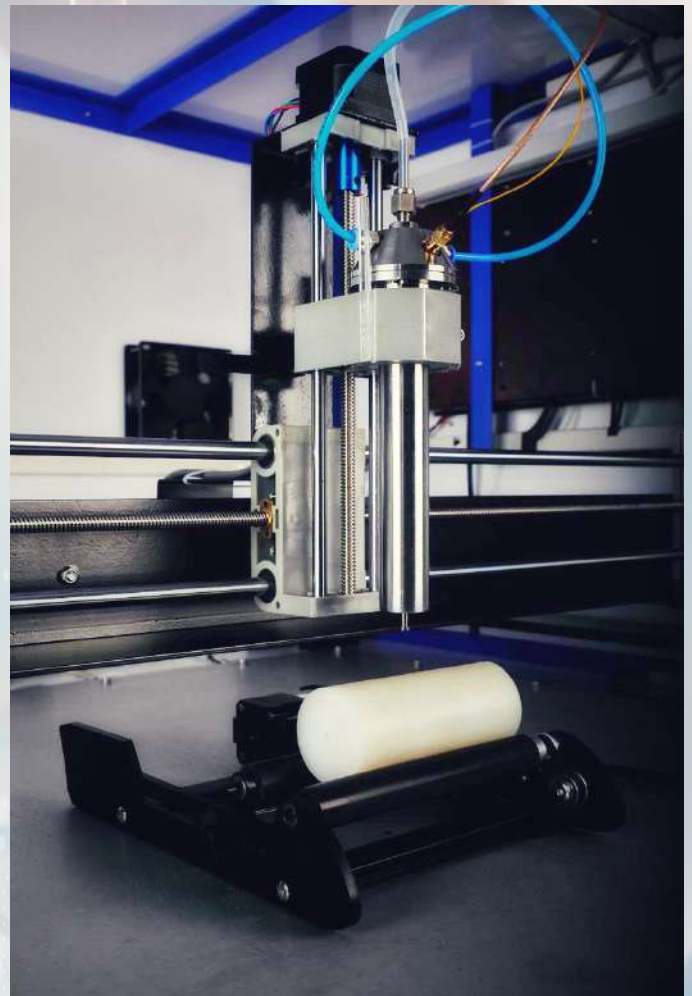
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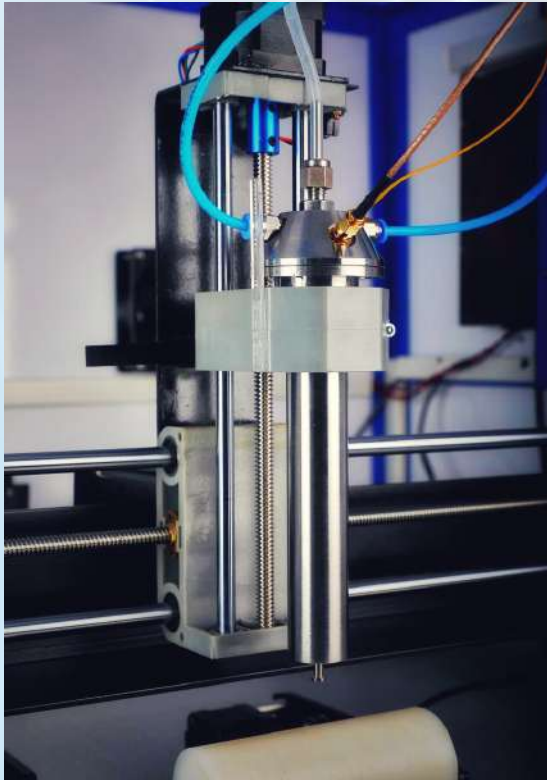
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Features:

- Syringe Home Functionality to perform multiple runs with single fill.
- X & Y axis area selection facility for Spray coating.
- Variable speed to better control on coating.
- Variable flow rate facility.
- Mid Run Pause and Stop functionality.
- Mid Run Pause and Restart functionality.
- Parking Facility for easy removal of nozzle for cleaning.
- Thin film coating with vacuum suction substrate plate.
- Substrate plate with controlled heating for quick drying of spray liquid.
- Roller Assembly for coating cylindrical objects.



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Technical Specifications:

- Spray Chamber - Customizable as per Requirement.
- MOC: SS 304/Powder Coated M S.
 - Moving Spray Nozzle: X, Y & Z Axis.
 - Drive Speed X axis (min - max): 300 - 750mm/min.
 - Drive Speed Y axis (min - max): 300 - 500mm/min.
 - Drive Speed Z axis (min - max): 300 - 750mm/min.
- Actuator: Stepper Motor driven linear screw-based assembly.
- Coating Area: 400mm X 300mm.
 - Substrate plate holder Size: Customizable as per Requirement.
- Microcontroller based, 20 x 2-line alphanumeric display & Soft touch membrane keypad.
- Built in Exhaust fan for powder/solvent vapours removal.
 - Power Supply: 230V, 50Hz.
 - Power Consumption: 200W.

