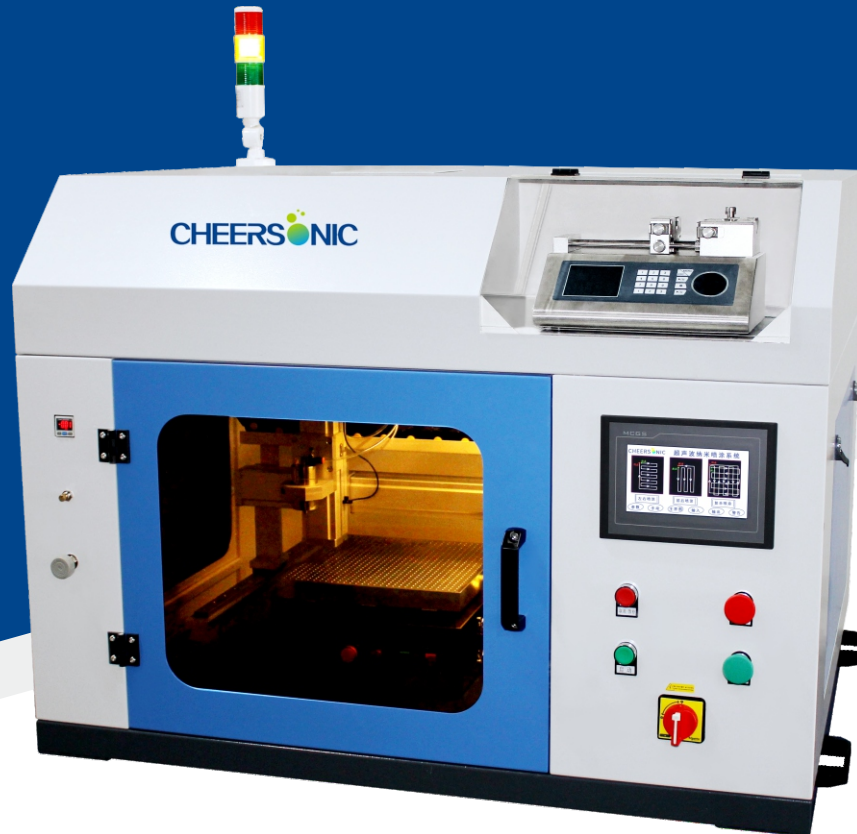


CHEERSONIC

intelligent ultrasonic solutions



UAM4000L

Ultrasonic Spraying System

APPLICATION

- Sensors
- PCB Flux
- Fuel Cells
- Solar Cells
- Biomedical
- Glass Coatings
- Nanomaterial Coating
- Fabric Functional Coatings
- Semiconductor photoresists

UAM4000L combines the latest spray and control technology in the world, results in a more uniform, thinner, more controllable film coating. UAM4000L integrates multiple systems such as program, carrier gas, heating station, vacuum adsorption, and exhaust gas exhaust, it can be applicable to a full range of ultrasonic nozzles for small or medium area coating production. This equipment is being widely used in the field of precision coating preparation.

UAM4000L Ultrasonic Spraying System



FEATURES & BENEFITS

- Including the ultrasonic spraying system, non-clogging nozzle
- Uniform and controllable coating
- Liquid utilization rate >95%
- Automatic nozzle cleaning system
- Desktop design is easy to move
- The maximum spraying area is 300*300mm
- XYZ three-axis coordination simultaneous operation
- Remote control
- The solution and suspension can be sprayed.
- Constant flow syringe pump system
- Vacuum adsorption plate for adsorbing soft film substrate
- High temperature heating system, can provide 400 °C high temperature
- Can be docked to the laboratory or the clean room exhaust system, or use its own exhaust fan

Ultrasonic spraying system	Frequency: 50khz, 60khz, 120khz Spraying width: 80mm Particle content: <10% Particle size: 10-40um	Liquid delivery(optional)	Ultrasonic dispersing syringe, Keep the suspension evenly dispersed during the spraying process
Nozzle alignment	Laser assisted alignment	Material of liquid tube	PTFE
Liquid utilization rate	95%	Heating substrate (optional)	Maximum temperature: 400°C
Spray uniformity	5%	Temperature	0-40°C
Work area	300 x 300 mm (11.81" x 11.81")	Certification	CE
Speed	XY: 300mm/sec Z: 50mm/sec	Compressed air	551.6 kPa (80 PSI) dry unlubricated air
Syringe pump	Flow rate: 0.01- 50ml/min One syringe: up to 100ml	Power requirements	220V, +/-10%, 50-60Hz, single phase
Control system	Self-developed 6-axis control system, 7-inch full-color touch LCD screen, can be set to automatic mode, jog debugging mode, with security system	Vacuum adsorption(optional)	150C heat/vac Power of vacuum pump: <500w Pumping speed: ≥60L/min
Motion accuracy	±0.1mm	Dimensions	1200L*950W*900H mm
Motors	Digital AC servo motor drive	Weight	300kg

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