

CHEERSONIC

intelligent ultrasonic solutions



UAM6000

Ultrasonic Spraying System

APPLICATION

- Sensors
- PCB Flux
- Fuel Cells
- Solar Cells
- Photoresists
- Microfluidics
- Touch Screen
- Spray Pyrolysis
- Glass Coatings

UAM6000 ultrasonic spraying equipment is an industrial grade spraying equipment, suitable for medium-volume production. It adopts national patent ultrasonic spraying technology to prepare functional coating with high uniformity and thin coating. Can be used with any Cheersonic ultrasonic nozzle. Depending on the system configuration, a variety of integrated liquid delivery options are available.

UAM6000 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
- The maximum spraying area is 450*450mm
- 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℃
Spray uniformity	5%	Temperature	0-40℃
Work area	450 x 450 mm (17.71" x 17.71")	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 Two syringe: up to 50ml each	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	1400L*900W*1600G mm
Motors	Digital AC servo motor drive	Weight	650kg

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