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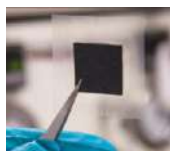
intelligent ultrasonic solutions



UAM4000M

Ultrasonic Thin Film Coating Machine

- Ideal for R&D or low-volume production
- Compact desktop design that is easy to move
- The material usage ratio > 95%
- Reliable, repeatable and consistent coating, uniformity of $\pm 5\%$
- Maximum spray area: 300 x 300 mm



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ES France - Département Bio-tests & Industries
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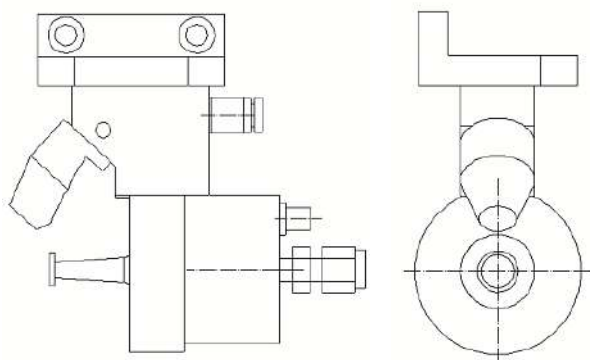


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UAM4000M Ultrasonic Thin Film Coating Machine



Soft, low-velocity spray to avoid overspray

Reduced coating material up to 80%

Reduce air pollution

Self-cleaning ultrasonic nozzle prevents clogging

Reduced the maintenance and downtime

Ultra-low flow rate continuous or intermittent precision spraying

Corrosion-resistant stainless steel and titanium construction

Motion System 3-axis precision coating system

Head speed

- X axis up to 300 mm/sec
- Y axis up to 300 mm/sec
- Z axis up to 50 r/sec

Repeatability: ± 0.02 mm

Laser pointer

Ultrasonic System 1 x Generator
- Control accuracy 0.01W

1 x UCW502 (Wide type)

- Middle particle size 38 μ m
- Spraying width 10- 80 mm
- Thickness of film after spray 10 nm-100 μ m
- Flow rate range 0.5-50 ml/min

Control System 7" touch screen
User friendly interface
3 user log in levels
- Operator, Supervisor and Technician
Storage programs up to 10000 sets

Liquid Delivery System 1 x Precision syringe pump
1 x Precision syringe (50 ml)

Cargo System Combined vacuum/heat plate
-Heating temp range: 0-100°C
-Heating temp range: 0-150 °C (without vacuum function)
-Temp. control accuracy: ± 1 °C
-Temp. uniformity: ± 2 °C

Alarm System Three-color light tower

Lighting System LED

Vision System Camera(Optional)

Exhaust System Turbine type (connected to the exhaust interface of the laboratory or cleaning room)

Power 220-240V AC 50/60Hz, 16A
Air Pure/dry air or nitrogen (0.05Mp)
Dimensions 1040 W x 750 D x 950 H (mm)



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