



Sputter Coater CRESSINGTON 108 Auto

108Auto with MTM 10 film thickness monitor and Rotary Tilting sample Stage



Ref: CR-83105-2 – Sputter Coater 108Auto

- Cold magnetron sputter head with quick change target holder.
- Au target 57mm X 0,1 mm included
- Optional targets Au/Pd, Pt, Pt/Pd, etc.
- Microprocessor controlled operation with safety system.
- Automatic control of the stability of the sputter current, independently of the vacuum level. The current is adjustable from 10 to 40 mA.
- Control of the sputtering time by digital timer.
- Precision display for measuring vacuum level (from atmosphere to 10^{-3} mbar) and sputter current (0 to 50 mA)
- 6 mm nozzle for Argon supply. Micrometric leakage valve for perfect regulation of the plasma pressure.
- 6 mm nozzle for air or Nitrogen supply.



Nanovision S.r.l.

Via S. Margherita, 115, 20861 Brugherio (MB)

Sito www.nanovision.it - Email nanovision@nanovision.it - Tel. 039 2878358



OPTIONS:

Ref: CR-84225 - HIGH RESOLUTION THICKNESS MONITOR MTM10



- 6 MHz Quartz measuring head.
- 4-digit display.
- Thickness range 0 to 999.9 nm.
- Resolution 0.1 nm.
- Density range: 0.5 to 30.0 g/cm³.
- Tooling factor range: from 0.25 to 8.0 adjustable according to the height of the sample.
- Four values can be stored in memory both under Density and under Tooling

Ref: CR-84325 - HIGH RESOLUTION THICKNESS MONITOR MTM20



- 6 MHz Quartz measuring head.
- 4-digit display.
- Thickness range 0 to 999.9 nm.
- Resolution 0.1 nm.
- Density range: 0.5 to 30.0 g/cm³.
- Tooling factor range: from 0.25 to 8.0 adjustable according to the height of the sample.
- Four sets of values can be stored in memory under Density and four under Tooling.
- Programmable thickness termination function. Termination facility range 0 to 999.9 nm

Ref: CR-80054 – ROTARY TILTING STAGE



- Glass sputter chamber ø 120 x 44 mm.
- The overall height of the stage + short chamber is identical to the standard high chamber
- Manual tilt from 0 to 90° - 306° continuous rotation at variable speed.
- Reduced target - sample distance (< 38 mm)
- Compatible with MTM10 or MTM20 thickness gauge
- Standard ø 30 mm sample table for 4X12.5mm pin stubs
- Other optional sample tables:
- ø 40 mm sample table for 6X12.5mm pin stubs
- ø 38 mm sample table for 4 X 15 mm (M4) stubs
- ø 35 mm sample table for 6 X.ø10 mm stubs

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