



## **Sputter Coater CRESSINGTON 108 Auto SE**

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



### **Ref: CR-84105 – Sputter Coater 108Auto SE**

- Manual or automatic cycle operation, from pumping the chamber to the end of the programmed sputter.
- Glass spray chamber  $\varnothing 150 \times 150$  mm.
- 63 mm samples holder table, adjustable in height over a range of 60 mm and accepting 12 sample holders, e.g.  $\varnothing 13$  mm, plus the optional thickness measuring head.
- 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 the vacuum level (from atmosphere to  $10^{-3}$  mb) and the spray current (0 to 50 mA).
- 6 mm nozzle for Argon supply. Micrometric leakage valve for a perfect regulation of the plasma pressure.
- 6 mm nozzle for air or nitrogen supply.



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## 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/cm<sup>3</sup>.
- 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/cm<sup>3</sup>.
- 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-87054 – ROTARY TILTING STAGE



- Variable speed rotation and tilt from 0 to 90° with locking system.
- Delivered with a mounting base including a free port, a glass chamber extension ø 150 x 65 mm and two metal rings ø 150 x 15 mm.
- Multi-support rotary stage. Can accommodate one microscope slide, 7 standard ½" ø tail holders or (optional) 3X ø 45 mm sample holders tables, accepting 6X ø 13 mm sample holders for example.

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## **Ref: CR-870543 – ROTARY TILTING PLANETARY STAGE**



- Variable speed planetary rotation movements and 0-90° tilt with locking system.
- Delivered with mounting base including a free port, a glass chamber extension 150 x 65 mm and two metal rings 150 x 15 mm.
- Four  $\varnothing$  45 mm samples holder tables accepting six  $\varnothing$  13 mm sample holders for example.

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