

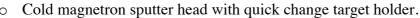
# **Sputter Coater CRESSINGTON 108 Auto SE**

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.
- o Glass spray chamber ø150 x 150 mm.
- 63 mm samples holder table, adjustable in height over a range of 60 mm and accepting 12 sample holders, e.g. ø 13 mm, plus the optional thickness measuring head.



- o Au target 57mm X 0,1 mm included
- Optional targets Au/Pd, Pt, Pt/Pd, etc.
- o 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.
- o 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).
- o 6 mm nozzle for Argon supply. Micrometric leakage valve for a perfect regulation of the plasma pressure.
- o 6 mm nozzle for air or nitrogen supply.





#### **OPTIONS:**

#### Ref: CR-84225 - HIGH RESOLUTION THICKNESS MONITOR MTM10



- 6 MHz Quartz measuring head.
- o 4-digit display.
- o Thickness ran1`1qge 0 to 999.9 nm.
- o Resolution 0.1 nm.
- o Density range: 0.5 to 30.0 g/cm<sup>3</sup>.
- O 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**



- o 6 MHz Quartz measuring head.
- o 4-digit display.
- o Thickness range 0 to 999.9 nm.
- o Resolution 0.1 nm.
- O 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.
- o 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.



## **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.
- o Four ø 45 mm samples holder tables accepting six ø 13 mm sample holders for example.