



# J20

## ION SPUTTER COATER

The J20 is a dual-target ion sputter coater based on magnetron sputtering technology. Equipped with a high-performance rotary vane pump, it can quickly establish a vacuum environment below 3Pa. With its coordinated design of tilted dual-target and rotary sample stage, it deposits uniform and stable conductive coatings on sample surfaces. The system is ideally suited for (ultra-)high-resolution FE-SEM sample preparation, particularly for 3D powder samples and delicate specimens. Available sputtering materials include Au, Pt, Pd, Ir as well as Pt-Au and Pt-Pd layered alloys, etc.

Touchscreen automatic control, plug and play.



**Dual-Target Magnetron Sputtering**

**Patented Pt-Au Layered Recipe**

**SUV in Ion Sputter Coaters**

**Universal Sample Compatibility**

**Tilted Target & Rotary Stage**

**Optimized for 3D Microstructures**

**SuPro Instruments LTD**

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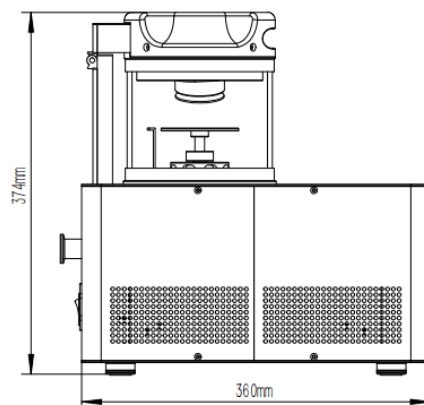
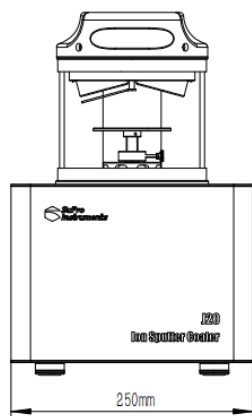
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Technical Specifications	
Application Scenarios	Conductive Coating Preparation for HR/UHR FE-SEM Samples
Vacuum Pump	Rotary Vane Pump
Pumping Speed	$\geq 4\text{m}^3/\text{h}$
Ultimate Vacuum	$< 1\text{Pa}$
Working Pressure	4-10Pa
Pumping Down Time	$< 2\text{-}3\text{Min}$
Sputtering Timer	0-300S
Vacuum Gauge	Pirani Vacuum Gauge
Chamber Dimension	$\sim \varnothing 150 \times 120\text{mm}$
Rotary Sample Stage	Diameter: 80mm; Rotation Speed: 60RPM; TSD: 55-70mm continuously adjustable
Sputtering Target	$\varnothing 30 \times 0.2\text{-}1\text{mm}/2\text{pcs}$ , Single-Target sputtering and Dual-Target Sequential sputtering
Sputtering Power	Constant Power Magnetron Sputtering DC Power Supply ( Max.30W, Max.100 mA, 0-800V DC )
Operation Mode	Touchscreen control, the control system provides interlock protection function
Weight	Main Unit $\sim 15\text{kg}$
Dimension	$\sim 250\text{mm W} \times 360\text{mm D} \times 374\text{mm H}$
Power Supply	100-240V AC, 50/60Hz Grounded Three-prong Plug
Power Consumption	$< 500\text{W}$
Warranty	1 Year
Remarks	The technical specifications and parameters listed above will be updated without prior notice. If you have any questions, please contact us.



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