

# ISC 150T

## ION SPUTTER COATER

The ISC150T is a high vacuum ion sputter coater that uses a combination of a diaphragm pump and a molecular pump to achieve a high vacuum level of approximately  $10^{-3}$  Pa. It can be used for sputtering noble metal targets such as Au, Pt, or Pd, as well as easily oxidizable targets such as W, Cr, and C. It is particularly suitable for coating samples for FE-SEM applications that require high resolution and magnification.

Touchscreen automatic control, plug and play.



**High Vacuum**  
**Finer Granularity**

**Rotary-tilting Stage**  
**Uniform Coating**

**Oil-free for Cleanliness**

**SuPro Instruments LTD**

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Shenzhen, China

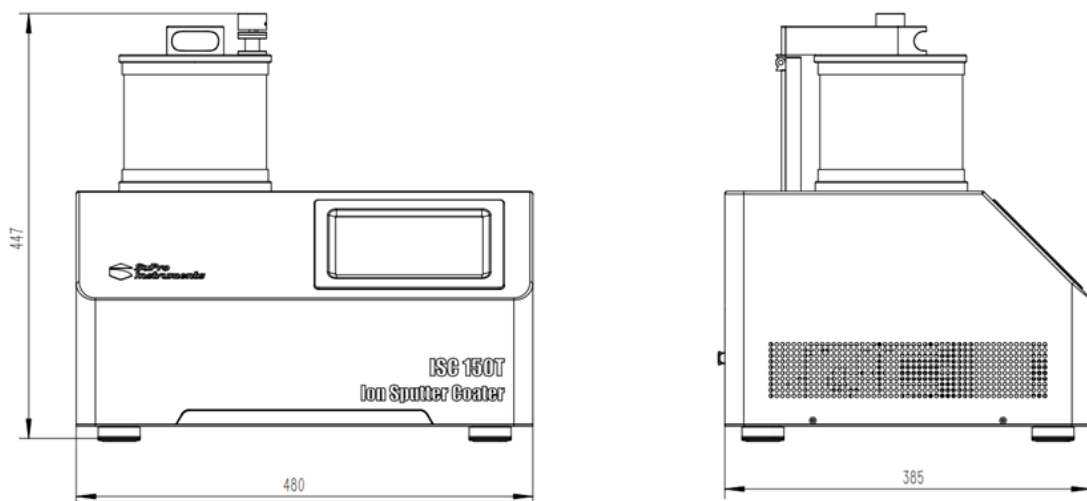
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Technical Specifications	Parameters
Vacuum Pump System	Oil-free Diaphragm Pump and Turbo Pump
Pumping Speed	>0.7m <sup>3</sup> /h ( Diaphragm pump ) + 60 L/S ( Turbo pump )
Ultimate Vacuum	< 1E-3 Pa
Working Pressure	0.3-1Pa
Vacuum Gauge	Pirani Vacuum Gauge
Gas Control	MFC ( 50 SCCM Ar)
Chamber	Ø150 *120mm Scratch-resistant Quartz Glass
Sputtering Target	Target Dimension Ø 50*0.1-2mm ( Recommended Thickness ≥0.2mm ) Capable of Sputtering Noble Metals like Au, Pt, Pd, as well as Common Materials like Cr, W, C.
Sputtering Power	Constant Power Magnetron Sputtering DC Power Supply ( Max.30W, Max.100 mA, 0-800V DC )
Gas Inlet	Ø 8mm Gas Pipe
Operation Mode	Touchscreen Control with the Control System Providing Interlock Protection Functions
Weight	~30 Kg
Dimension	480mm*385mm*447mm
Power Supply	100-220V AC, 50/60Hz Grounded Three-prong Plug
Power Consumption	<500 W
Warranty	One Year
Remark	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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