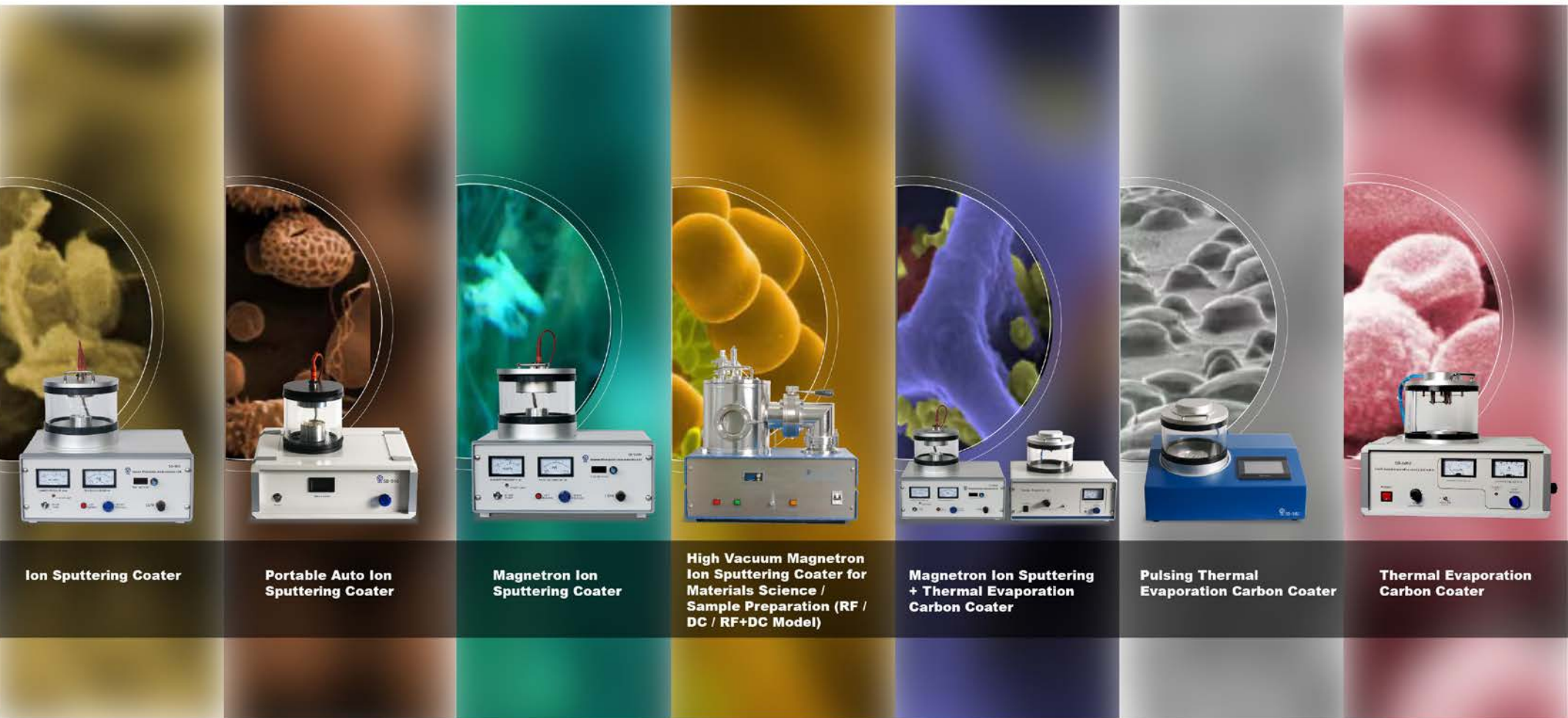


# Sputter Coater

Since 2004, **18** years, **2500+** systems  
Worldwide installation



**Ion Sputtering Coater**

**Portable Auto Ion Sputtering Coater**

**Magnetron Ion Sputtering Coater**

**High Vacuum Magnetron Ion Sputtering Coater for Materials Science / Sample Preparation (RF / DC / RF+DC Model)**

**Magnetron Ion Sputtering + Thermal Evaporation Carbon Coater**

**Pulsing Thermal Evaporation Carbon Coater**

**Thermal Evaporation Carbon Coater**

To better serve you, we would like to discuss your specific requirement. Please Contact Us for a quote.



## ANTITECK LIFE SCIENCES LIMITED

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## High Vacuum Magnetron Ion Sputtering Coater (DC / RF Model)

SD650 Model



Antiteck supplies / offers a High Vacuum Magnetron Ion Sputtering Coater (DC / RF Model) that is ideal and designed for materials science and sample preparation. It is widely used for the majority of universities and scientific research institutes of materials science and engineering to coat, for metals, ceramics, semiconductors, insulators or other kinds of membrane material preparation.

High Vacuum Magnetron Ion Sputtering Coater provides the most stable sputtering environment and achieves the basic experimental conditions of magnetron sputtering in a very short period of time. It provides DC / RF two kinds of sputtering power options which allow sputtering conductive or non-conductive substance on specimen and improves physical vapor deposition (PVD) Performance. It is also excellent for surface treatment and coating. It is easy to operate and user friendly as well.

Vacuum pump and Chiller are included.

### Technical Specifications

Vacuum Pump Set	(Oil required) Rotary Vacuum Pump + (Oil free)Turbo Molecular Pump set
Rotary Pumping Speed	50 Hz : 16m <sup>3</sup> /h (4.4 L/s) / 60 HZ : 19.2m <sup>3</sup> /h (5.2 L/s)
Molecular Pumping Speed	300 L/s
Vacuum Limit	5x10 <sup>-5</sup> Pa
Working Pressure	0.5-5 Pa
Vacuuming Time	>10 Min (10 <sup>-3</sup> Pa)
Vacuum Measure	Measuring range from atmosphere to 10 <sup>-6</sup> Pa
Gas Control	Gas Flow Controller
Chamber Size	φ260*200mm (height)Metal
Magnetron Target Source	Target size φ50*3mm (Cu)/ Target source: Weak Magnetic Substance /Materials
Operation Method	Instruction Manual
weight / Size	100kg / 610mm length x 420mm wide x 490mm high
Power Supply	AC 110V 60Hz or AC 220V 50Hz
Power Consumption	< 3000W
Cooling Method	Air Cooling(Pump)+ Water Cooling(Sputtering Target)
Warranty	One year limited warranty with lifetime product support

## Ion Sputtering Coater

SD900 Model



Antiteck supplies / offers an Ion Sputtering Coater (SD900 Model) that is ideal and designed for lab SEM sample preparation. It is widely used to coat non-conductive SEM samples with Au for better imaging. It is also excellent for surface treatment.

Working vacuum pressure can be achieved quickly within 2 minutes when using proper vacuum pump. It generates much less heat. It is user friendly and easy to operate.

Vacuum pump is included.

### Technical Specifications

Vacuum Pump Set	(Oil required) Rotary Vacuum Pump
Rotary Pumping Speed	50 Hz : 8m <sup>3</sup> /h (2.2 L/s) / 60 HZ : 9.6m <sup>3</sup> /h (2.6 L/s)
Vacuum Limit	2 Pa
Max Sputtering Current	0~20 mA
Working Pressure	30 Pa-7 Pa
Vacuuming Time	>5 Min (2 Pa)
Vacuum Measure	Measuring range from atmosphere to 2 x 10 <sup>-2</sup> mbar
Gas Control	Gas Flow Controller
Chamber Size	φ150*120mm (height) Scratch Resistant Quartz Glass
Magnetron Target Source	Target size φ50*0.1mm (Au) / Target source: Au, Ag, Pt
Operation Method	Instruction Manual
Weight / Size	45kg / 360mm length x 300mm wide x 380mm high
Power Supply	AC 110V 60Hz or AC 220V 50Hz
Power Consumption	<1500W
Cooling Method	Air Cooling
Warranty	One year limited warranty with lifetime product support

## Magnetron Ion Sputtering + Thermal Evaporation Carbon Coater

### SD900C Model



Antiteck supplies / offers a Magnetron Ion Sputtering Unit + Thermal Evaporation Carbon Unit (SD900C Model) that is ideal and designed for lab SEM sample preparation. SD900C Model (Magnetron Ion Sputtering Unit) is widely used to coat non-conductive or heat-sensitive SEM samples with Au for better imaging. It is also excellent for surface treatment and avoids damage to the substrate sample.

SD900C Model (Thermal Evaporation Carbon Unit) carbon coater applies a thin conductive carbon film on a sample surface. Applying this coating to a non-conductive sample is an effective preparation technique for diminishing charge-up electron artifacts for analysis in a SEM.

Working vacuum pressure can be achieved quickly when using proper vacuum pump within 5 minutes. It is user friendly and easy to operate.

Vacuum pump is included.

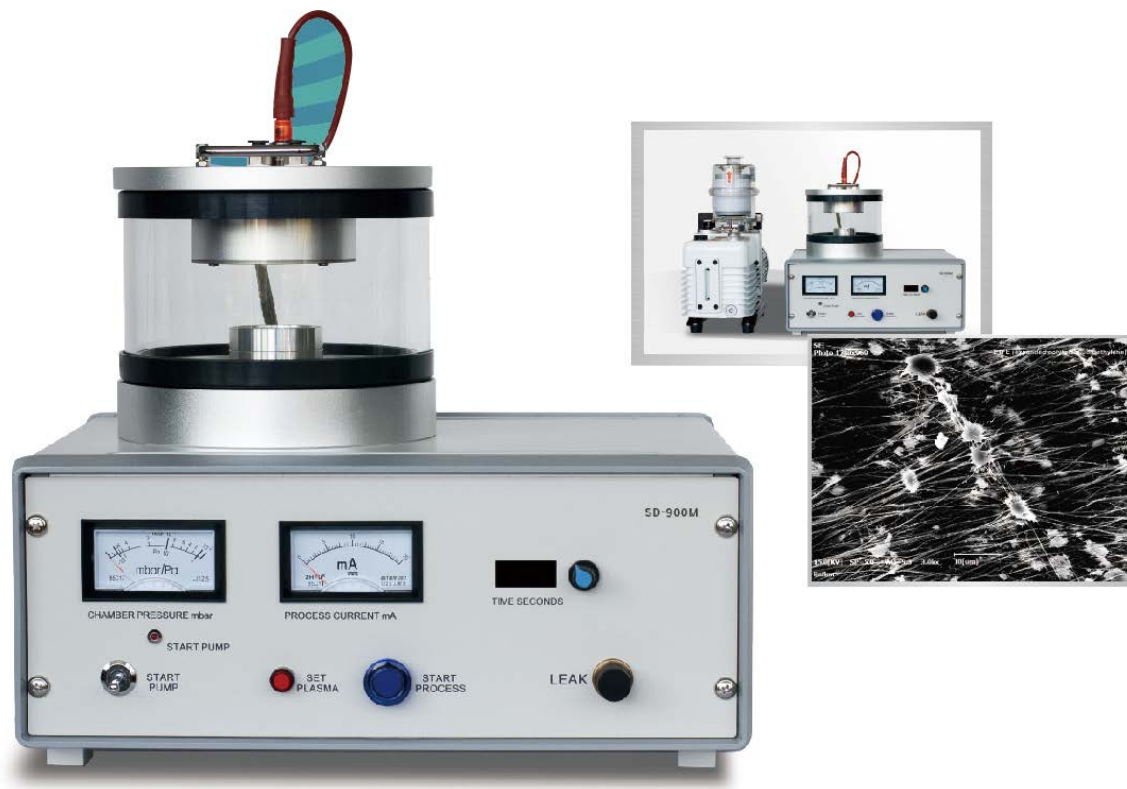
Chiller is optional. (for Magnetron Ion Sputtering Unit)

### Technical Specifications

Vacuum Pump Set	(Oil required) Rotary Vacuum Pump
Rotary Pumping Speed	50Hz : 8 m <sup>3</sup> /h (2.2 L/s) / 60Hz : 9.6m <sup>3</sup> /h (2.6 L/s)
Vacuum Limit	2 Pa
Max Sputtering Current	100mA
Max Evaporation Current	100A
Sputtering Working Pressure	20 Pa-8 Pa
Working Vacuuming Time	6 Pa - 4 Pa
Vacuum Measure	<5 Min ( 2 Pa )
Gas Control	Measuring range from atmosphere to 2x10 <sup>-2</sup> mbar
Chamber Size	Gas Flow Controller
Magnetron Target Source	φ150*120mm (height) Scratch Resistant Quartz Glass
Evaporation Target Source	Target size φ50*0.1mm (Au)/ Target source: Au, Ag, Pt
Operation Method	Target material: Carbon Rope / Target source: Carbon Rope
(2 Units) Weight / (1 Unit) Size	55kg / 360mm length x 300mm wide x 380mm high
Power Supply	AC 110V 60Hz or AC 220V 50Hz
Power Consumption	<2000W
Cooling Method	Air Cooling(Evaporation)+ Water Cooling(Sputtering)
Warranty	One year limited warranty with lifetime product support

## Magnetron Ion Sputtering Coater

SD900M Model



Antiteck supplies / offers a Magnetron Ion Sputtering Coater (SD900M Model) that is ideal and designed for lab SEM sample preparation. It is widely used to coat non-conductive or heat-sensitive SEM samples with Au for better imaging. It is also excellent for surface treatment and avoids damage to the substrate sample.

Coating Result Sample Picture under SEM (by SD-900M Model) EPTFE (Extended Poly Tetra Fluoro Ethylene)

Low vacuum, can be achieved quickly when using proper vacuum pump within 5 minutes. It generates much less heat and avoids plasma damage to the substrate sample. It is user friendly and easy to operate.

Vacuum pump is included.

Chiller is optional.

### Technical Specifications

Vacuum Pump Set	(Oil required) Rotary Vacuum Pump
Rotary Pumping Speed	50 Hz : 8 m <sup>3</sup> /h <sup>3</sup> (2.2 L/s) / 60Hz : 9.6m <sup>3</sup> /h <sup>3</sup> (2.6 L/s)
Vacuum Limit	2 Pa
Max Sputtering Current	100mA
Working Pressure	20 Pa- 8 Pa
Vacuumping Time	< 5 Min ( 2 Pa)
Vacuum Measure	Measuring range from atmosphere to 2x10 <sup>-3</sup> mbar
Gas Control	Gas Flow Controller
Chamber Size	φ150*120mm (height)Scratch Resistant Quartz Glass
Magnetron Target Source	Target size φ50*0.1mm (Au) / Target source: Au, Ag, Pt
Operation Method	Instruction Manual
Weight / Size	45kg / 360mm length x 300mm wide x 380mm high
Power Supply	AC 110V 60Hz or AC 220V 50Hz
Power Consumption	<1500W
Cooling Method	Water Cooling (OPTIONAL)
Warranty	One year limited warranty with lifetime product support

## Portable Auto Ion Sputtering Coater

SD800 Model



Antiteck supplies / offers a Compact Automatic Ion Sputtering Coater (SD800 Model) that is ideal and designed for lab SEM sample preparation. It is widely used to coat non-conductive SEM samples with Au for better imaging. It is also excellent for surface treatment.

Working vacuum pressure can be achieved quickly when using proper vacuum pump. It generates much less heat. It is user friendly and easy to operate using Time Control.

Vacuum pump is included.

### Technical Specifications

Vacuum Pump Se	(Oil required) Rotary Vacuum Pump
Rotary Pumping Speed	50 Hz : 8 m <sup>3</sup> /h (2.2 L/s) / 60 Hz : 9.6m <sup>3</sup> /h (2.6 L/s)
Vacuumping Time	< 2 Min
Chamber Size	φ115*100mm (height) Scratch Resistant Quartz Glass
Magnetron Target Source	Target size φ50*0.1mm (Au) / Target source: Au, Ag, Pt
Operation Method	Instruction Manual
Weight / Size	40kg / 307mm length x 260 mm wide x 260 mm high
Power Supply	AC 110V 60Hz or AC 220V 50Hz
Power Consumption	< 1500W
Cooling Method	Air Cooling
Warranty	One year limited warranty with lifetime product support

## Pulsing Thermal Evaporation Carbon Coater

SD980 Model



Antiteck supplies / offers an Automatic Pulsing Thermal Evaporation Carbon Coater (SD980 Model) that is ideal and designed for lab SEM sample preparation. SD980 Model carbon coater is a fully-automated carbon coater that applies a thin conductive carbon film on a sample surface. Applying this coating to a non-conductive sample is an effective preparation technique for diminishing charge-up electron artifacts for analysis in a SEM. A pulsed mode for protecting samples is also included.

Working vacuum pressure can be achieved quickly when using proper vacuum pump. It is user friendly and easy to operate by Controlling Touch Screen Heating Power (Current) and Pulsing Times (Recipe).

Vacuum pump is included.

### Technical Specifications

Vacuum Pump Set	(Oil required) Rotary Vacuum Pump
Rotary Pumping Speed	50 Hz : 8 m <sup>3</sup> /h (2.2 L/s) / 60 Hz : 9.6m /h <sup>3</sup> (2.6 L/s)
Vacuum Limit	2 Pa
Max Evaporation Current	80A
Working Pressure	6 Pa - 4 Pa
Vacuuming Time	< 5 Min ( 2 Pa)
Vacuum Measure	Measuring range from atmosphere to 2x10 <sup>-2</sup> mbar
Chamber Size	φ150*120mm (height)Scratch Resistant Quartz Glass
Evaporation Target Source	Target material: Carbon Rope / Target source: Carbon Rope
Operation Method	Instruction Manual
Weight / Size	45kg / 390mm length x 310mm wide x 290mm high
Power Supply	AC 110V 60Hz or AC 220V 50Hz
Power Consumption	< 2000w
Warranty	One year limited warranty with lifetime product support

## Thermal Evaporation Carbon Coater

SD800C Model



Antiteck supplies / offers a Thermal Evaporation Carbon Coater (SD800C Model) that is ideal and designed for lab SEM sample preparation. SD800C Model carbon coater applies a thin conductive carbon film on a sample surface. Applying this coating to a non-conductive sample is an effective preparation technique for diminishing charge-up electron artifacts for analysis in a SEM.

Working vacuum pressure can be achieved quickly when using proper vacuum pump within 5 minutes. It is user friendly and easy to operate.

Vacuum pump is included.

### Technical Specifications

Vacuum Pump Set	(Oil required) Rotary Vacuum Pump
Rotary Pumping Speed	50 Hz : 8 m <sup>3</sup> /h (2.2 L/s) / 60 Hz : 9.6m /h <sup>3</sup> (2.6 L/s)
Vacuum Limit	2 Pa
Max Evaporation Current	100A
Working Pressure	6 Pa - 4 Pa
Vacuumping Time	< 5 Min ( 2 Pa)
Vacuum Measure	Measuring range from atmosphere to 2x10 <sup>-2</sup> mbar
Chamber Size	φ150*120mm (height)Scratch Resistant Quartz Glass
Evaporation Target Source	Target material: Carbon Rope / Target source: Carbon Rope
Operation Method	Instruction Manual
Weight / Size	45kg / 340mm length x 390mm wide x 300mm high
Power Supply	AC 110V 60Hz or AC 220V 50Hz
Power Consumption	< 2000w
Warranty	One year limited warranty with lifetime product support



## Optional Accessories

