

DC / RF+DC Model)

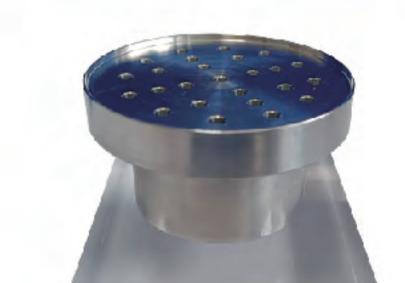
To better serve you, we would like to discuss your specific requirement. Please Contact Exclusive Partner PI-KEM Limited for a quote.



### Magnetron Sputtering Head



### **Sample Stage**



0

Di wemun

SD-980

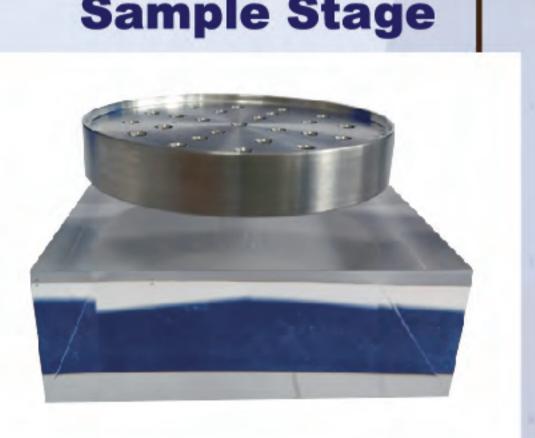


### **Carbon Rope**

#### **Glass Chamber**



0----

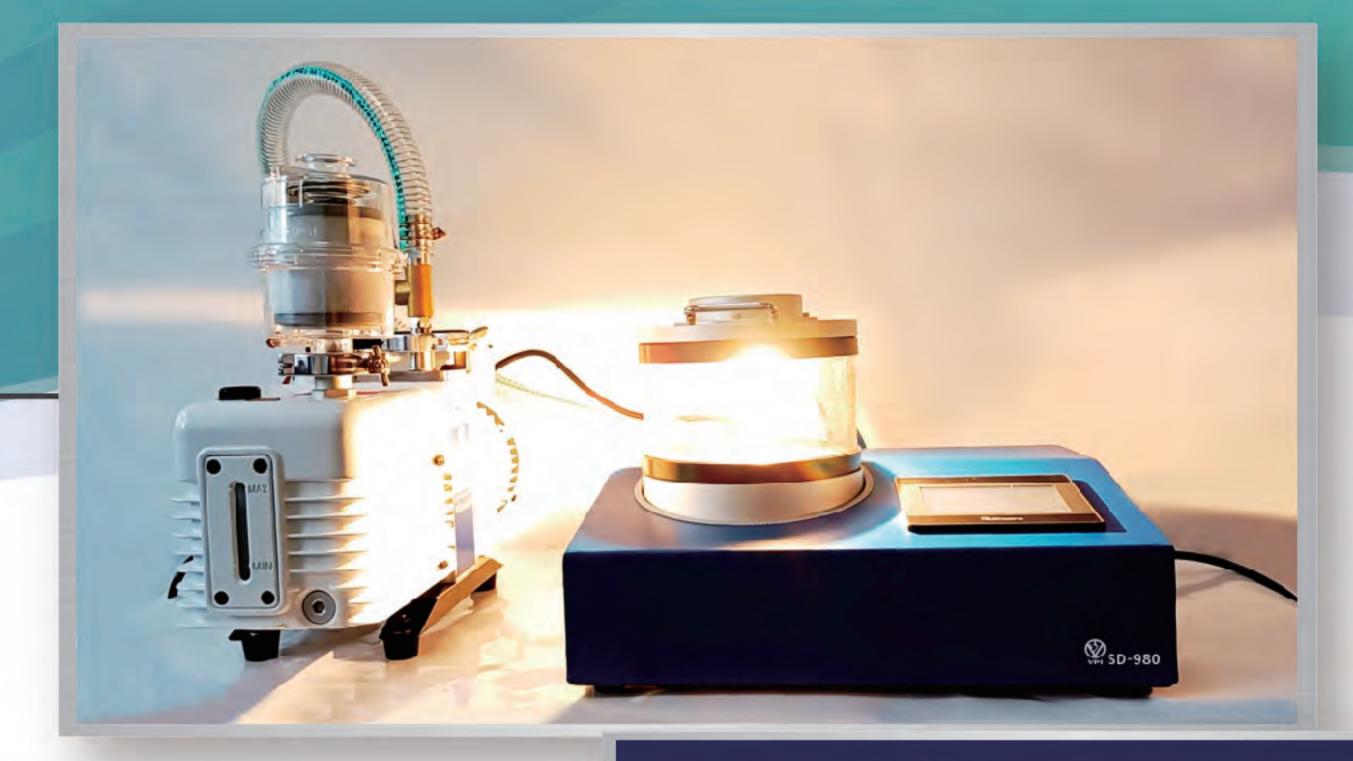
















# Pulsing Thermal Evaporation Carbon Coater Model: SD-980

# Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

### **Technical Specifications**

Vacuum Pump Set(Oil required) Rotary Vacuum PumpRotary Pumping Speed50 Hz : 8 m³/h (2.2 L/s) / 60 Hz : 9.6m /h³(2.6 L/s)Vacuum Limit2 PaMax Evaporation Current80AWorking Pressure6 Pa - 4 PaVacuum Measure< 5 Min (2 Pa )</td>Vacuum MeasureMeasuring range from atmosphere to  $2x10^2$ mbarChamber Size $\phi150 * 120$ mm (height) Scratch Resistant Quartz GlassEvaporation Target SourceTarget material: Carbon Rope / Target source: Carbon RopeOperation MethodInstruction ManualWeight / Size45kg / 390mm length x 310mm wide × 290mm highPower Consumption< 2000W</td>WarrantyOne year limited warranty with lifetime product support



# To better serve you, we would like to discuss your specific requirement. Please Contact Exclusive Partner PI-KEM Limited for a quote.





# Magnetron Ion Sputtering Coater Model: SD-900M

# Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

# **Technical Specifications**

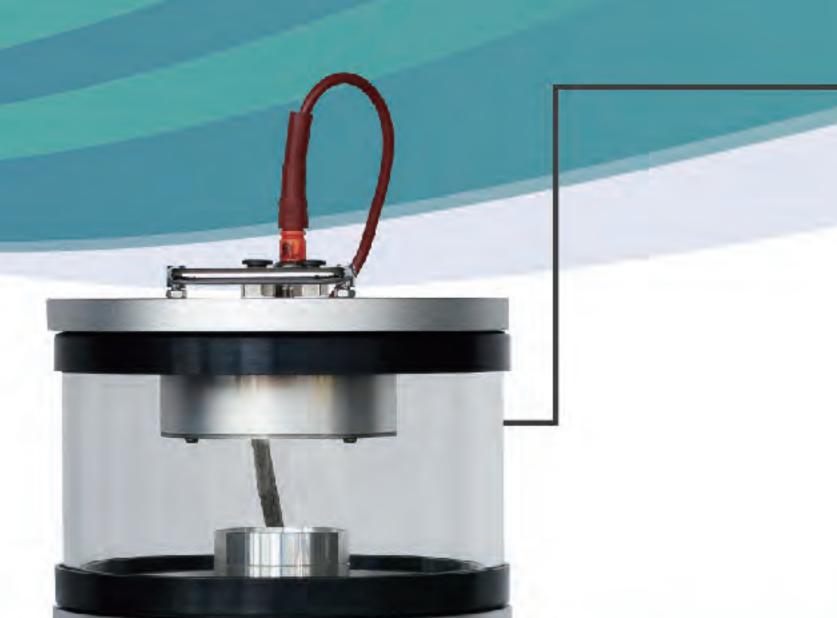
Vacuum Pump Set ------ (Oil required) Rotary Vacuum Pump Rotary Pumping Speed ----- 50 Hz : 8 m /h<sup>3</sup> (2.2 L/s) / 60 Hz : 9.6m /h<sup>3</sup> (2.6 L/s) Vacuum Limit ----- 2 Pa Max Sputtering Current ----- 100mA Working Pressure ----- 20 Pa - 8 Pa Vacuuming Time ----- < 5 Min (2 Pa) Vacuum Measure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



To better serve you, we would like to discuss your specific requirement. Please Contact Exclusive Partner PI-KEM Limited for a quote.











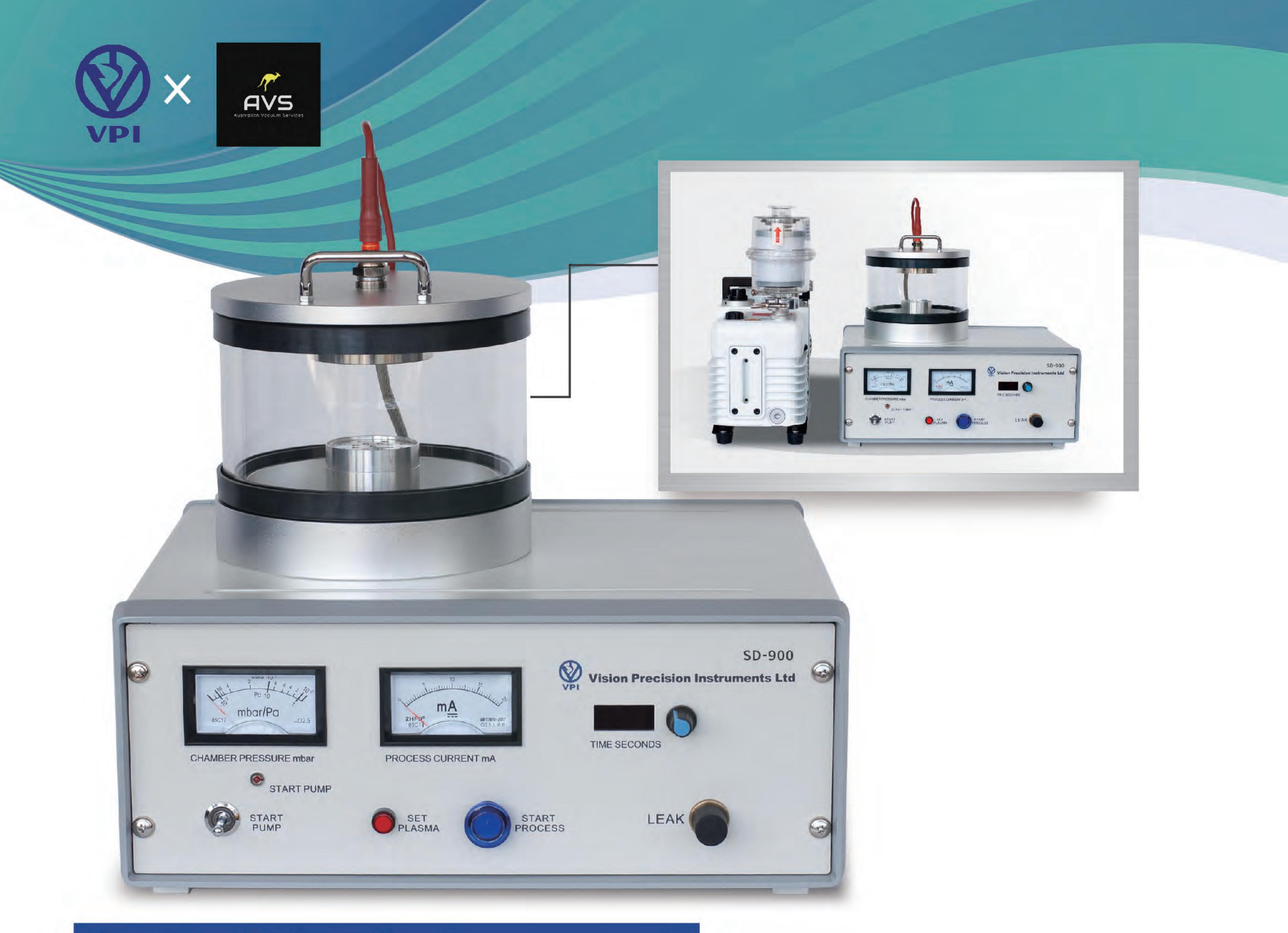
# Magnetron Ion Sputtering + Thermal Evaporation Carbon Coater

# Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

# **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<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 Evaporation Target Source - - - - - - Target size  $\varphi$  50 \* 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 × 380mm high Power Supply ----- AC 110V 60Hz or AC 220V 50Hz Power Consumption ----- < 2000W E Cooling Method ----- Air Cooling(Evaporation) + Water Cooling(Sputtering) Warranty ----- One year limited warranty with lifetime product support

# To better serve you, we would like to discuss your specific requirement. **Please Contact Exclusive Partner PI-KEM Limited for a quote.**



# Ion Sputtering Coater Model: SD-900

# Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

# **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<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 2x10<sup>2</sup>mbar Gas Control ----- Gas Flow Controller Chamber Size ------ q150 \* 120mm (height) Scratch Resistant Quartz Glass Magnetron Target Source - - - - - - - - - Target size φ 50 \* 0.1mm (Au) / Target source: Au, Ag, Pt Operation Method - - - - - - - - - Instruction Manual Power Supply ------ AC 110V 60Hz or AC 220V 50Hz Power Consumption \_ \_ \_ < 1500W Cooling Method . . . . . . . . . . . . . . . . Air Cooling One year limited warranty with lifetime product support Warranty \_\_\_\_\_



# To better serve you, we would like to discuss your specific requirement. Please Contact Exclusive Partner PI-KEM Limited for a quote.







# Thermal Evaporation Carbon Coater Model: SD-800C

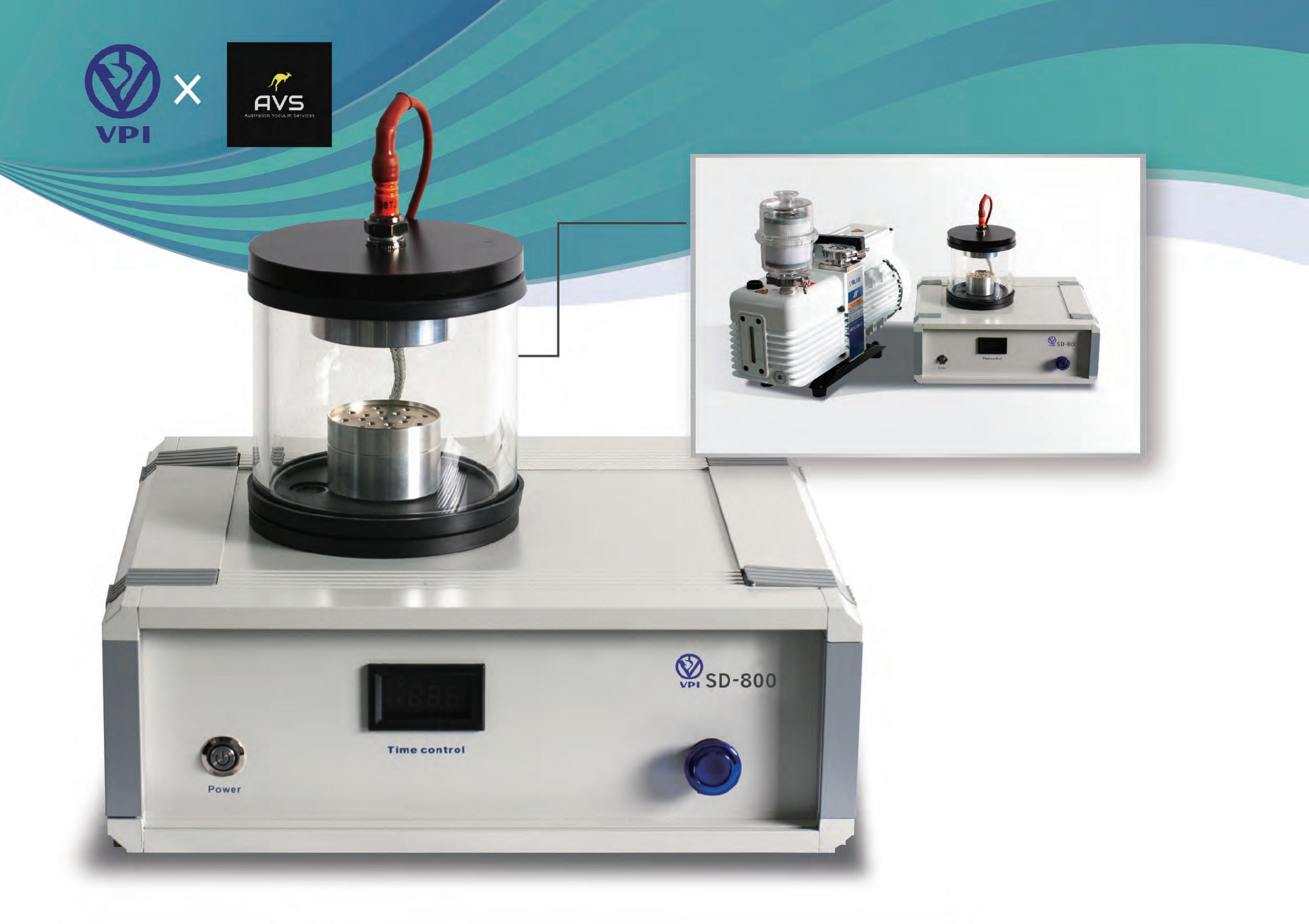
# Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

# **Technical Specifications**



# To better serve you, we would like to discuss your specific requirement. Please Contact Exclusive Partner PI-KEM Limited for a quote.





# Portable Auto Ion Sputtering Coater Model: SD-800

# Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

# **Technical Specifications**

Vacuum Pump Set(Oil required) Rotary Vacuum PumpRotary Pumping Speed50 Hz : 8 m³/h (2.2 L/s) / 60 Hz : 9.6m³/h (2.6 L/s)Vacuuming Time< 2 Min</td>Chamber Sizeφ115 \* 100mm (height) Scratch Resistant Quartz GlassMagnetron Target SourceTarget size φ 50 \* 0.1mm (Au) / Target source: Au, Ag, PtOperation MethodInstruction ManualWeight / Size40kg / 307mm length x 260 mm wide × 260 mm highPower Consumption< 1500W</td>Cooling MethodAir CoolingWarrantyOne year limited warranty with lifetime product support



# To better serve you, we would like to discuss your specific requirement. Please Contact Exclusive Partner PI-KEM Limited for a quote.









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

# Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

# **Technical Specifications**

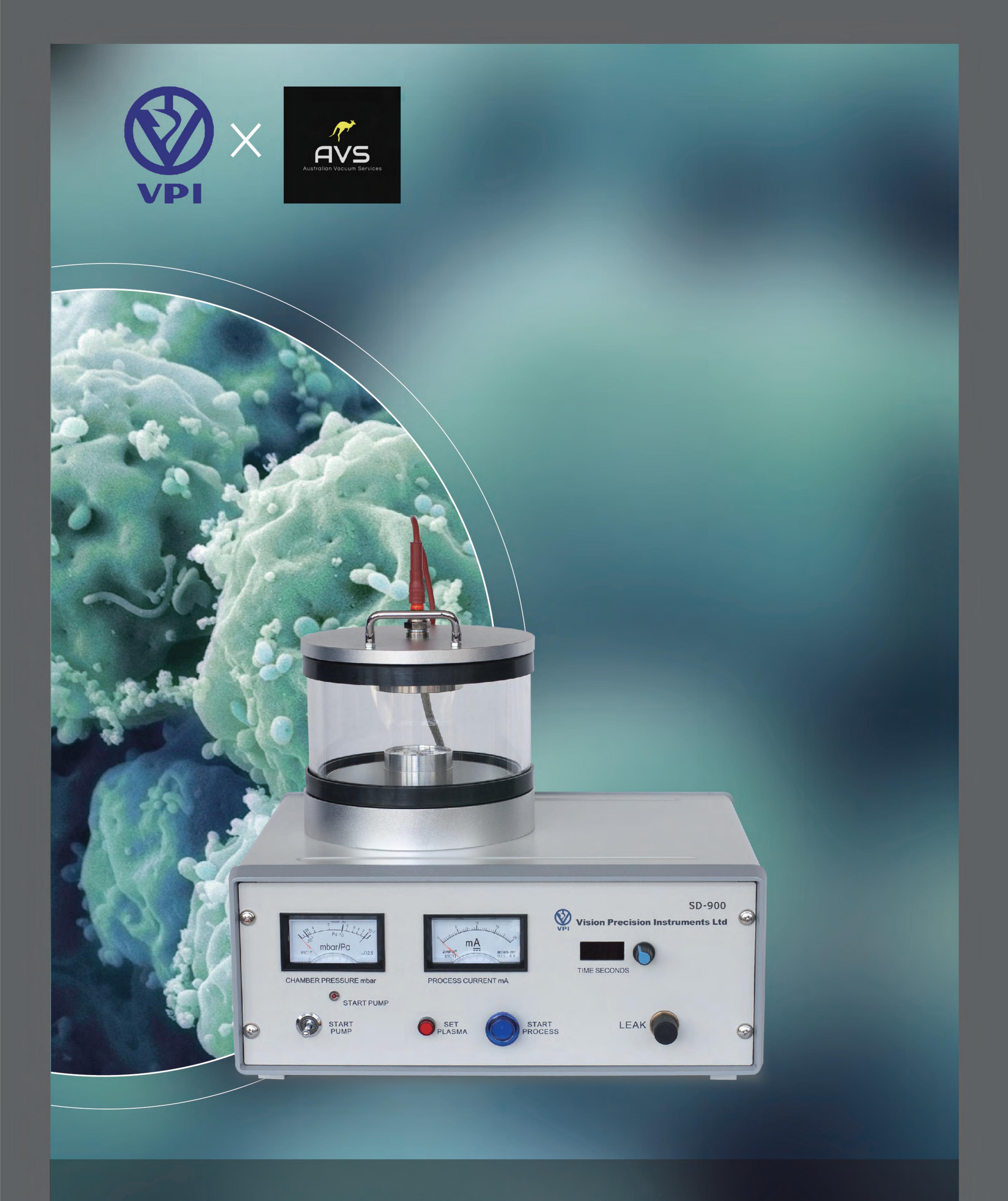
Molecular Pumping Speed . \_ \_ \_ \_ 300 L/S Working Pressure ----- 0.5 - 5 Pa Vacuuming Time - - - - - - - - - - - - > 10 Min (10<sup>-3</sup> Pa) Vacuum Measure - - - - - - - - - - - - - Measuring range from atmosphere to 10<sup>-o</sup>Pa Gas Control ----- Gas Flow Controller 

Operation Method -----

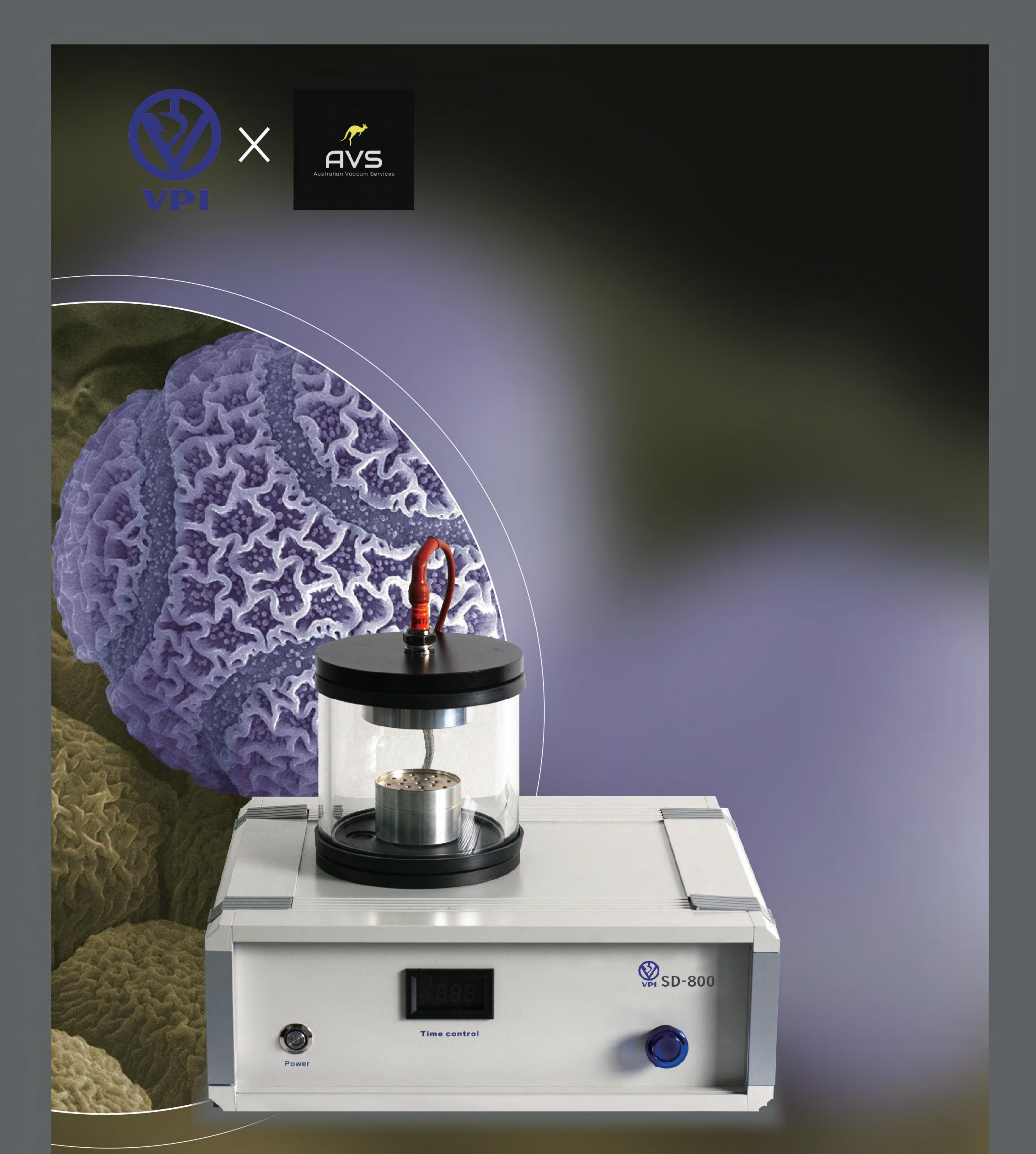
Vacuum Pump Set ------ (Oil required) Rotary Vacuum Pump + (Oil free) Turbo Molecular Pump set Rotary Pumping Speed ------ 50 Hz : 16m<sup>3</sup>/h (4.4 L/s) / 60 Hz : 19.2m<sup>3</sup>/h (5.2 L/s) Magnetron Target Source ------ Target size  $\varphi$  50 \* 3mm (Cu) / Target source: Weak Magnetic Substance / Materials Instruction Manual

Weight / Size ----- 490mm high Power Supply. \_ \_ \_ \_ \_ \_ \_ \_ AC 110V 60Hz or AC 220V 50Hz Power Consumption ----- < 3000W Power Consumption ------ < 3000W Cooling Method ------ Air Cooling(Pump) + Water Cooling(Sputtering Target) Warranty ------ One year limited warranty with lifetime product support Warranty ----- with lifetime product support

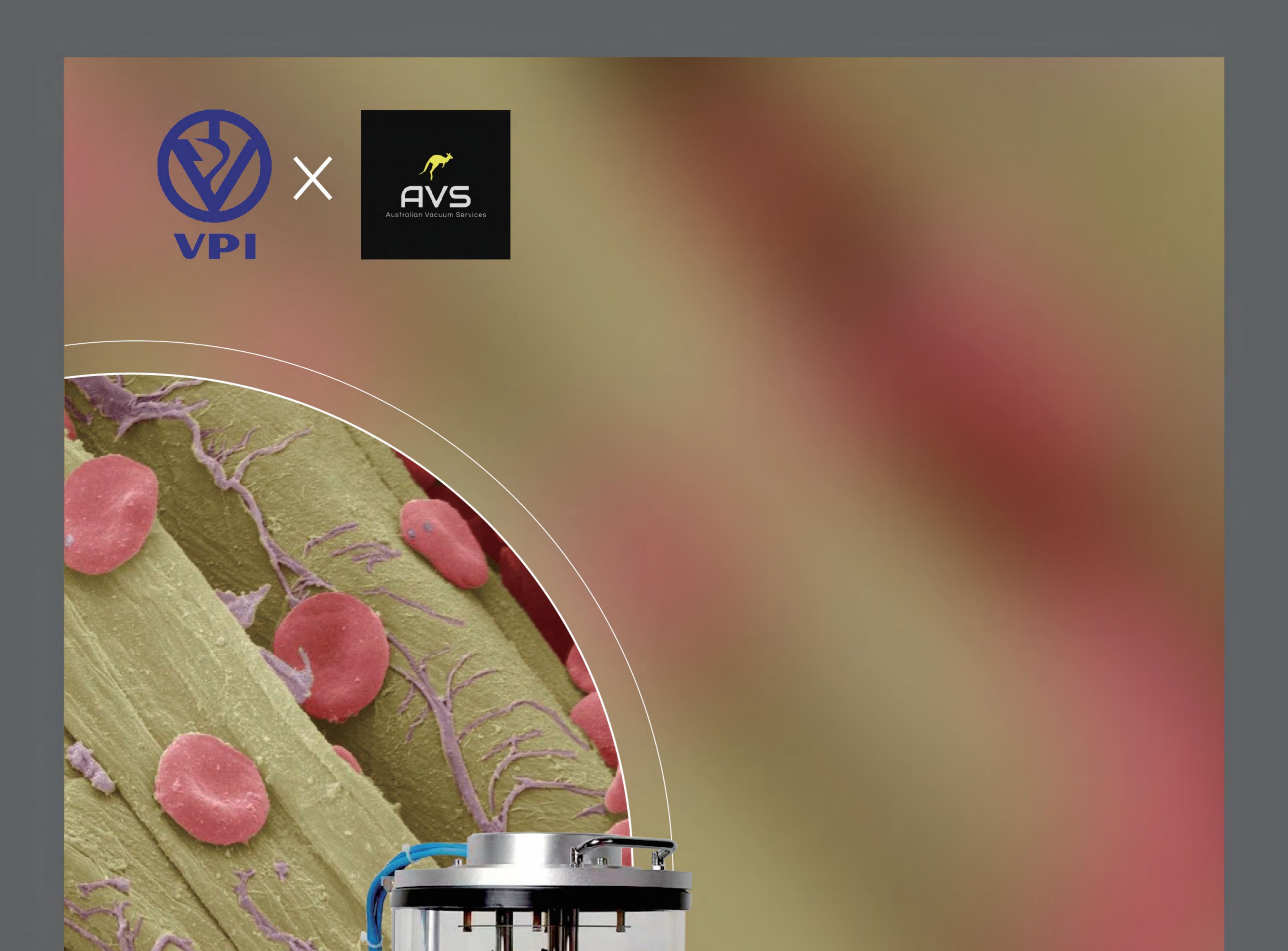
# To better serve you, we would like to discuss your specific requirement. **Please Contact Exclusive Partner PI-KEM Limited for a quote.**

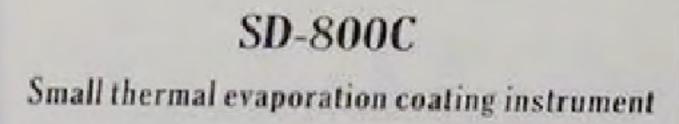


# Ion Sputtering Coater



# **Portable Auto Ion Sputtering Coater**

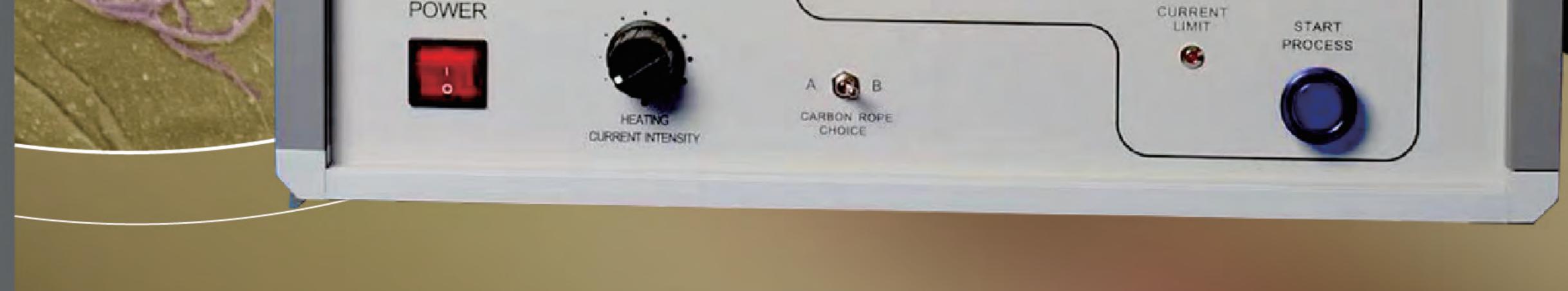








CHAMBER PRESSURE mbar





#### EVAPORATION CURRENT A

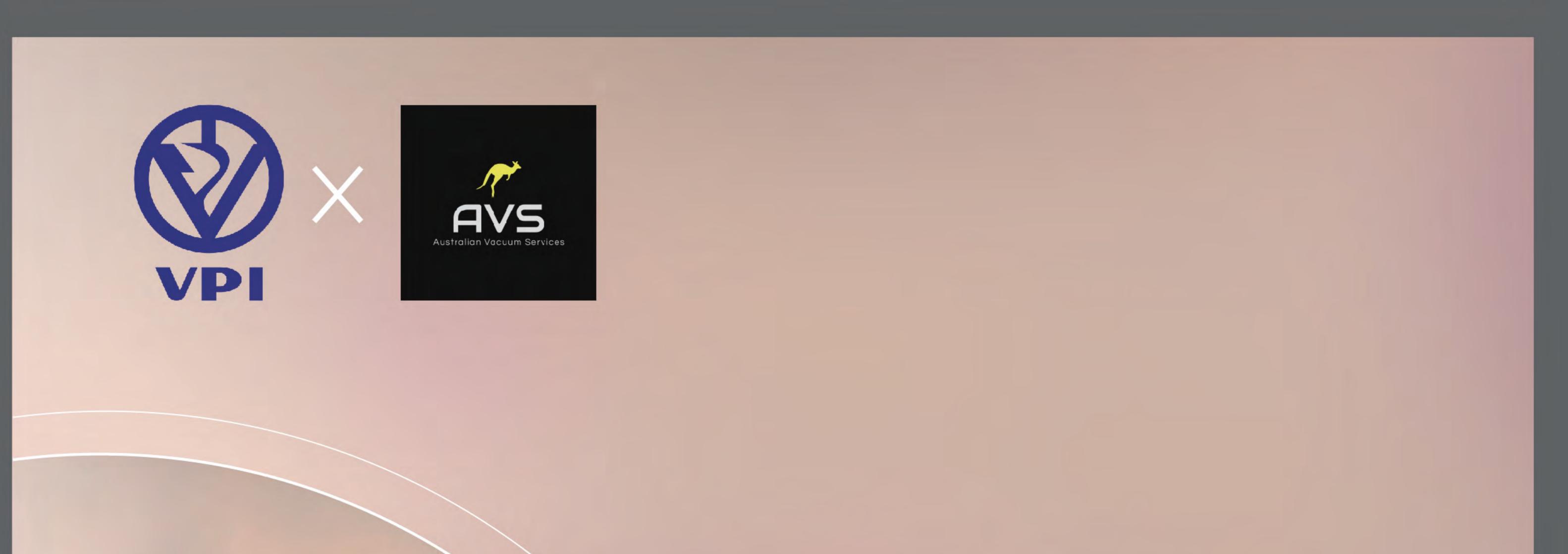


# **Thermal Evaporation Carbon Coater**





# **Pulsing Thermal Evaporation Carbon Coater**





# Magnetron Ion Sputtering Thermal Evaporation Carbon Coater



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



# **Magnetron Ion Sputtering Coater**





requirement. Please contact us for a quote.

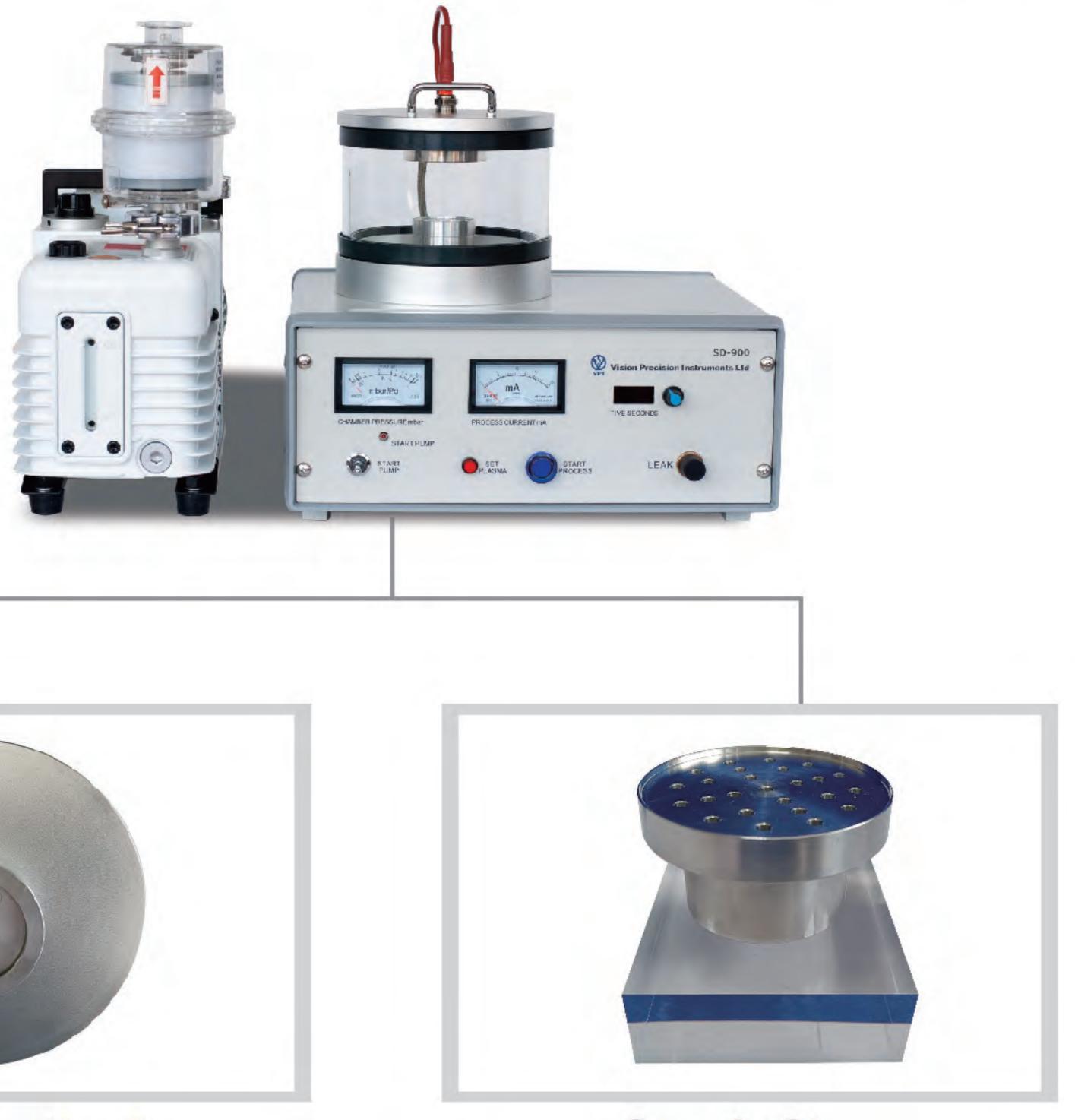


### Ion Sputtering Coater Model: SD-900

### Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

### **Technical Specifications**

Vacuum Pump Set Rotary Pumping Speed Vacuum Limit Max Sputtering Current	- 50 Hz : 8 m <sup>3</sup> /h (2.2 L/s - 2 Pa - $0\sim20$ mA - $30$ Pa - 7 Pa - $< 5$ Min ( 2 Pa ) - Measuring range from - Gas Flow Controller - $\varphi150 * 120$ mm (height - Target size $\varphi 50 * 0.1$ m - Instruction Manual - $45$ kg / $360$ mm length - AC 110V 60Hz or AC 2
Power Supply	AC 110V 60Hz or AC 2
Power Consumption	
Warranty	One year limited warra





**Sputtering Head** 

Vacuum Pump /s) / 60 Hz : 9.6m<sup>3</sup>/h (2.6 L/s)

#### n atmosphere to 2x10<sup>2</sup>mbar

nt) Scratch Resistant Quartz Glass 1mm (Au) / Target source: Au, Ag, Pt

n x 300mm wide × 380mm high 220V 50Hz

#### ranty with lifetime product support







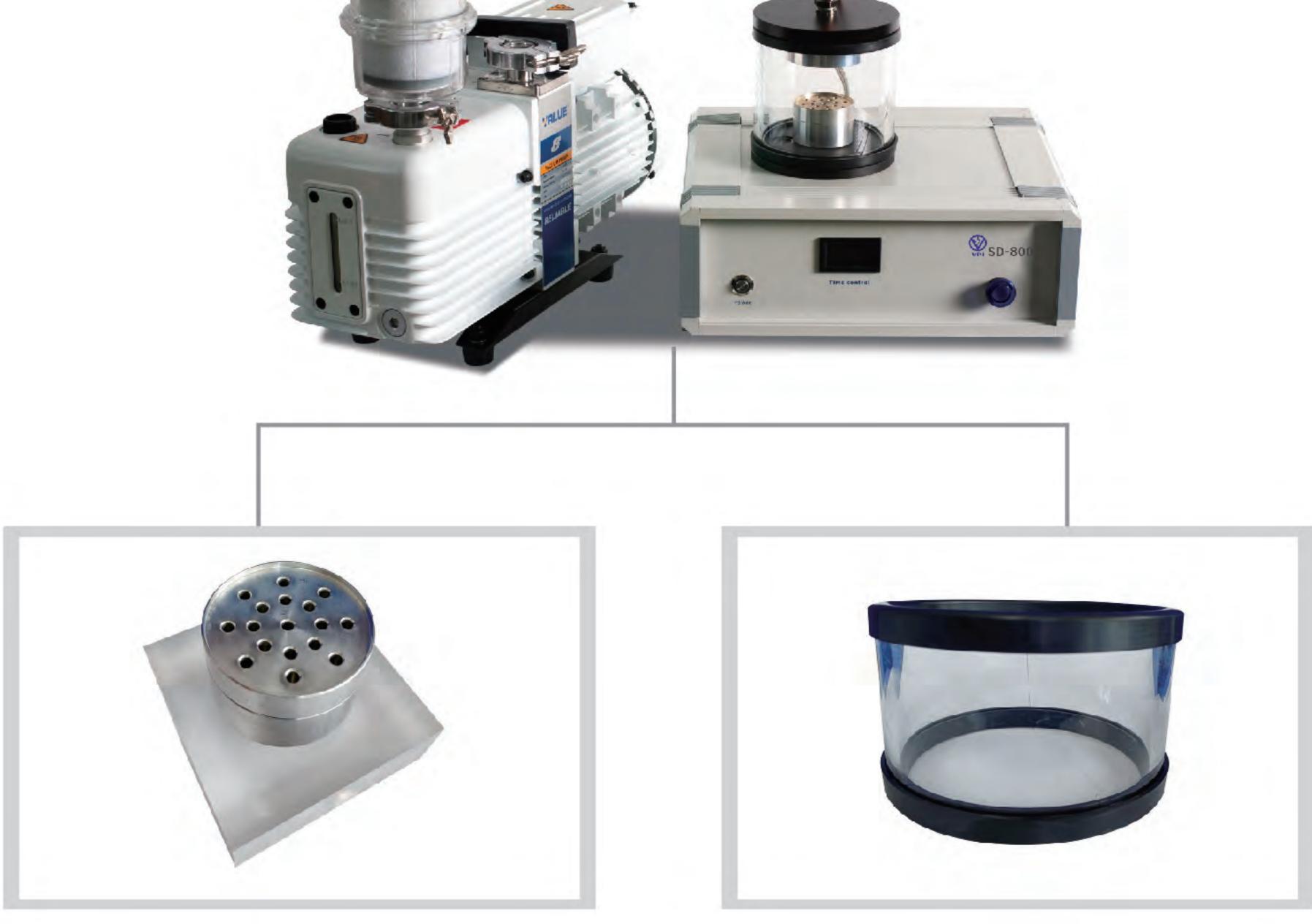
# Portable Auto Ion Sputtering Coater Model: SD-800

### Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

### **Technical Specifications**

Vacuum Pump Set (	Oil required) Rotary
Rotary Pumping Speed 5	50 Hz : 8 m <sup>3</sup> /h (2.2 L
Vacuuming Time	< 2 Min
Chamber Size	p115 * 100mm (heigh
Magnetron Target Source T	Target size φ 50 * 0.1
Operation Method I	nstruction Manual
Weight / Size 4	Okg / 307mm length
Power Supply A	AC 110V 60Hz or AC
Power Consumption <	< 1500W
Cooling Method A	Air Cooling
Warranty	One year limited war





**Sample Stage** 

Vacuum Pump L/s) / 60 Hz : 9.6m<sup>3</sup>/h (2.6 L/s)

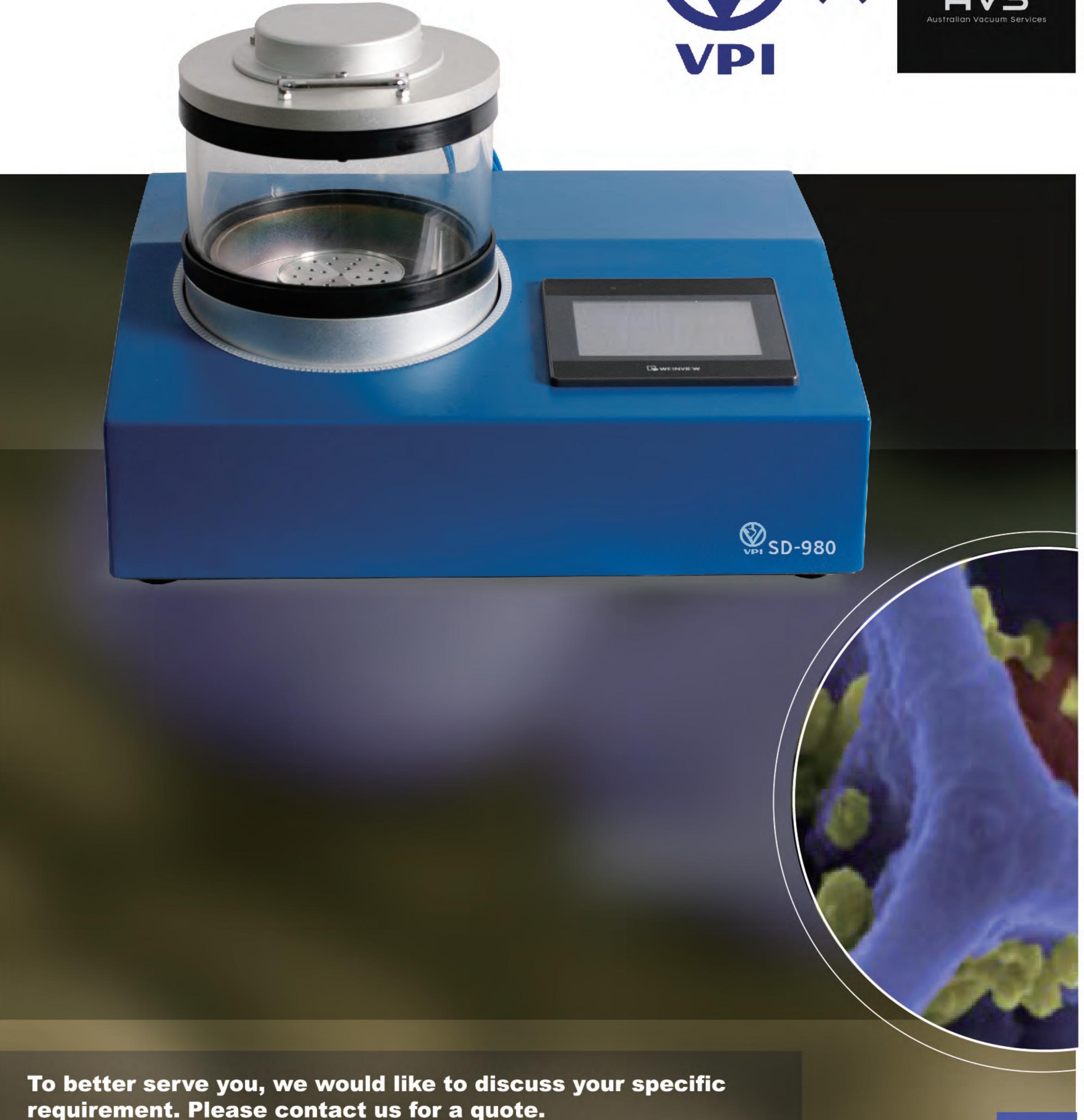
ht) Scratch Resistant Quartz Glass .1mm (Au) / Target source: Au, Ag, Pt

n x 260 mm wide × 260 mm high 220V 50Hz

rranty with lifetime product support



**Glass Chamber** 



requirement. Please contact us for a quote.



AVS

# Pulsing Thermal Evaporation Carbon Coater Model: SD-980

### Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

### **Technical Specifications**

quired) Rotary \ : 8 m <sup>3</sup> /h (2.2 L/s
4 Pa
n ( 2 Pa )
uring range from
* 120mm (height
material: Carbo
ction Manual
390mm length
OV 60Hz or AC
WC
ear limited warra





**Carbon Rope** 



**Glass Chamber** 

Vacuum Pump  $(s) / 60 \text{ Hz} : 9.6 \text{ m} / \text{h}^3 (2.6 \text{ L/s})$ 

m atmosphere to 2x10<sup>-2</sup>mbar ht) Scratch Resistant Quartz Glass oon Rope / Target source: Carbon Rope

C E

n x 310mm wide × 290mm high 220V 50Hz

rranty with lifetime product support





### Magnetron Ion Sputtering + Thermal Evaporation Carbon Coater

### Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

### **Technical Specifications**

Vacuum Pump Set	Rotary Pumping Speed	50 Hz : 8 m <sup>3</sup> /h (2.2 L/s 2 Pa 100M 20 Pa - 8 Pa 6 Pa - 4 Pa 5 Min (2 Pa) Measuring range from Gas Flow Controller $\phi$ 150 * 120mm (height) Target size $\phi$ 50 * 0.1m Target material: Carbor Instruction Manual 55kg / 360mm length x AC 110V 60Hz or AC 2 < 2000W
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**Magnetron Sputtering Head** 

**Glass Chamber** 

/acuum Pump s) / 60 Hz : 9.6m<sup>3</sup>/h (2.6 L/s)

atmosphere to 2x10<sup>2</sup>mbar

Scratch Resistant Quartz Glass mm (Au) / Target source: Au, Ag, Pt / Target source: Carbon Rope on Rope

x 300mm wide × 380mm high 220V 50Hz

on) + Water Cooling(Sputtering) anty with lifetime product support





### Magnetron Ion Sputtering Coater Model: SD-900M

### Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

### **Technical Specifications**

Vacuum Pump Set	(Oil required) Rotary V
Rotary Pumping Speed	
Vacuum Limit	2 Pa
Max Sputtering Current	100mA
Working Pressure	
Vacuuming Time	
Vacuum Measure	Measuring range from
Gas Control	
Chamber Size	φ150 * 120mm (height
Magnetron Target Source	
Operation Method	-
Weight / Size	
Power Supply	
Power Consumption	
Cooling Method	
Warranty	One year limited warra





**Magnetron Sputtering Head** 

Vacuum Pump \_/s) / 60 Hz : 9.6m /h<sup>3</sup>(2.6 L/s)

m atmosphere to 2x10<sup>2</sup>mbar

ht) Scratch Resistant Quartz Glass 1mm (Au) / Target source: Au, Ag, Pt

h x 300mm wide × 380mm high 220V 50Hz

IONAL) rranty with lifetime product support





# Thermal Evaporation Carbon Coater Model: SD-800C

### Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

### **Technical Specifications**

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**Carbon Rope** 

**Glass Chamber** 

Vacuum Pump L/s) / 60 Hz : 9.6m<sup>3</sup>/h (2.6 L/s)

om atmosphere to 2x10<sup>2</sup>mbar ght) Scratch Resistant Quartz Glass bon Rope / Target source: Carbon Rope

gth x 390mm wide × 300mm high C 220V 50Hz

arranty with lifetime product support





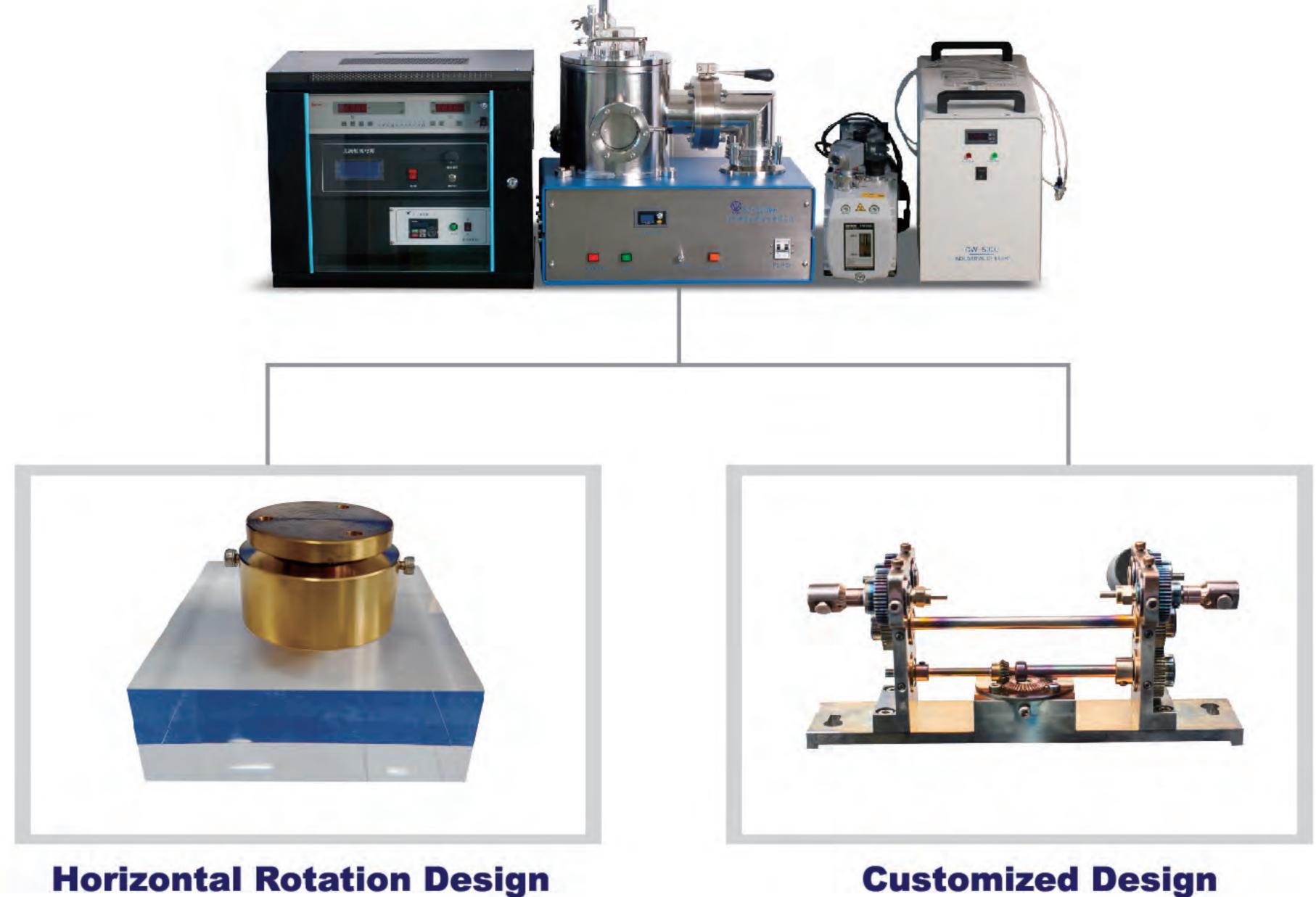


# High Vacuum Magnetron Ion Sputtering Coater for Materials Science / Sample Preparation (RF / DC / RF+DC Model)

### Manufacturer: Vision Precision Instruments (Only for the Best since 2004)

### **Technical Specifications**

Vacuum Pump Set	(Oil required) Ro Pump set
Rotary Pumping Speed	
Molecular Pumping Speed	300 L/S
Vacuum Limit	5 x 10 <sup>-5</sup> Pa
Working Pressure	
Vacuuming Time	> 10 Min (10 <sup>-3</sup> Pa
Vacuum Measure	
Gas Control	Gas Flow Contro
Chamber Size	
Magnetron Target Source	
	Substance / Mate
Operation Method	Instruction Manu
Weight / Size	100kg / 610mm l
Power Supply	AC 110V 60Hz o
Power Consumption	
Cooling Method	Air Cooling(Pum
Warranty	



**Horizontal Rotation Design** 

otary Vacuum Pump + (Oil free) Turbo Molecular

(4.4 L/s) / 60 Hz : 19.2m<sup>3</sup>/h (5.2 L/s)

e from atmosphere to 10<sup>-®</sup>Pa oller (height) Metal \* 3mm (Cu) / Target source: Weak Magnetic terials length x 420mm wide × 490mm high or AC 220V 50Hz

np) + Water Cooling(Sputtering Target) warranty with lifetime product support



# Pulsing Thermal Evaporation Carbon Coater Model: SD-980

### **Technical Specifications**

Vacuum Pump Set	(Oil required) Rota
Rotary Pumping Speed	50 Hz : 8 m <sup>3</sup> /h (2.2
Vacuum Limit	2 Pa
Max Evaporation Current	80A
Working Pressure	6 Pa - 4 Pa
Vacuuming Time	< 5 Min (2 Pa)
Vacuum Measure	Measuring range fi
Chamber Size	φ150 * 120mm (he
Evaporation Target Source	Target material: Ca
Operation Method	Instruction Manual
Weight / Size	45kg / 390mm leng
Power Supply	AC 110V 60Hz or /
Power Consumption	< 2000W
Warranty	One year limited w



ary Vacuum Pump 2.2 L/s) / 60 Hz : 9.6m /h<sup>3</sup>(2.6 L/s)

from atmosphere to 2x10<sup>-2</sup>mbar eight) Scratch Resistant Quartz Glass Carbon Rope / Target source: Carbon Rope ngth x 310mm wide × 290mm high

AC 220V 50Hz

warranty with lifetime product support



# Magnetron Ion Sputtering + Thermal Evaporation Carbon Coater



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

### **Technical Specifications**

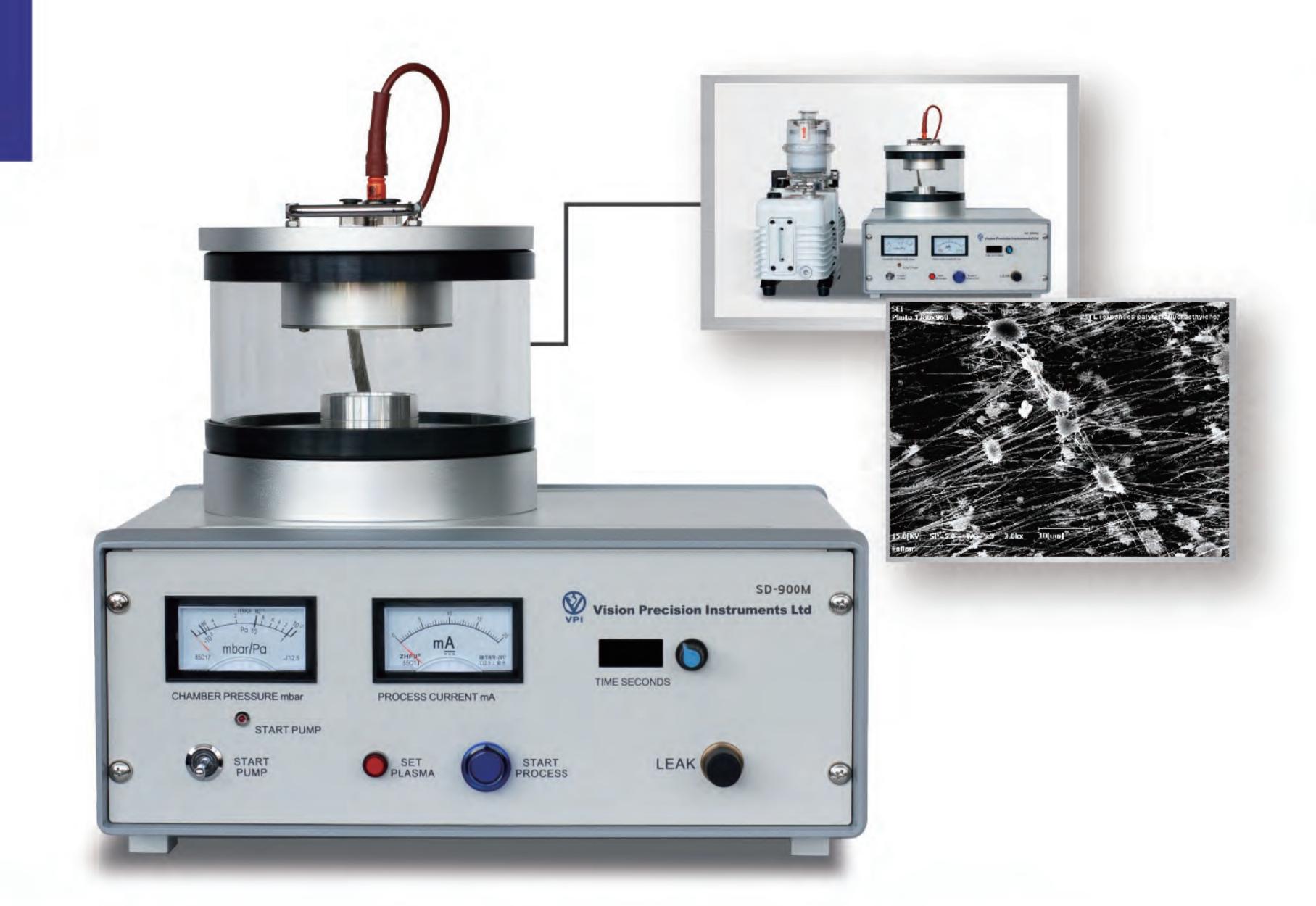
Vacuum Pump Set	(Oil required Pump set
Rotary Pumping Speed	
Molecular Pumping Speed	300 L/S
Vacuum Limit	5 x 10 <sup>-5</sup> Pa
Working Pressure	
Vacuuming Time	> 10 Min (10
Vacuum Measure	Measuring ra
Gas Control	
Chamber Size	
Magnetron Target Source	
	Substance /
Operation Method	Instruction M
Weight / Size	
Power Supply	-
Power Consumption	< 3000W
Cooling Method	Air Cooling(F
Warranty	One year lim

d) Rotary Vacuum Pump + (Oil free) Turbo Molecular

n<sup>3</sup>/h (4.4 L/s) / 60 Hz : 19.2m<sup>3</sup>/h (5.2 L/s)

)<sup>-3</sup>Pa) range from atmosphere to 10<sup>-</sup><sup>°</sup>Pa ontroller mm (height) Metal φ 50 \* 3mm (Cu) / Target source: Weak Magnetic Materials Manual mm length x 420mm wide × 490mm high Hz or AC 220V 50Hz

(Pump) + Water Cooling(Sputtering Target) imited warranty with lifetime product support



# Magnetron Ion Sputtering Coater Model: SD-900M

### **Technical Specifications**

Vacuum Pump Set	
Rotary Pumping Speed	
Max Sputtering Current	100mA
Working Pressure	
Vacuuming Time	
Vacuum Measure	
Gas Control	Gas Flow Controller
Chamber Size	
Magnetron Target Source	Target size φ 50 * 0.1mm
Operation Method	Instruction Manual
Weight / Size	45kg / 360mm length x 3
Power Supply	AC 110V 60Hz or AC 220
Power Consumption	< 1500W
Cooling Method	Water Cooling (OPTION/
Warranty	One year limited warrant



cuum Pump 60 Hz : 9.6m /h<sup>3</sup>(2.6 L/s)

tmosphere to 2x10<sup>-2</sup>mbar

Scratch Resistant Quartz Glass m (Au) / Target source: Au, Ag, Pt

300mm wide × 380mm high 20V 50Hz

ty with lifetime product support

W: www.australianvacuumservices.com Tel: +61 (0) 2 8626 6495



