

2026

Huasheng DECO Series Decorative Plating Coating Equipment

**Committed to becoming a world-class vacuum
surface treatment solutions provider
Striving to reduce industrial energy consumption**



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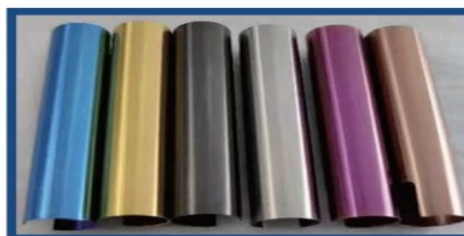
DECO Series Equipment Introduction

DECO Series Equipment Introduction

Intermediate Frequency Magnetron Sputtering Technology has become the mainstream technology for magnetron sputtering coating. It is superior to direct current magnetron sputtering as it allows for rapid switching between various processes such as planar targets, cylindrical targets, twin targets, and opposed targets. This improves the stability of the sputtering process and increases the deposition rate of the dielectric film by several times.

Based on intermediate frequency magnetron sputtering technology, the newly introduced HiPIMS (High Power Impulse Magnetron Sputtering) DC Pulse Technology enhances plasma diffraction, results in higher film density, significantly improves deposition rates, and expands the types and colors of coatings compared to traditional intermediate frequency magnetron sputtering. The performance of the product is reflected in improved corrosion resistance, increased film hardness, reduced elastic modulus, lower surface friction coefficient of the coating, and improved coating color brightness.

This technology is widely applied to coatings such as TiN, TiC, TiCN, TiAlN, CrN, and other multi-alloy compound decorative coatings for various products, including watch cases and bands, jewelry, smartphones, electronic products, bathroom fixtures, golf equipment, hardware, tableware, cosmetics, and more.



02

DECO Series Equipment Parameter

DECO1000 Series Equipment Parameter



Model		DECO1000G	DECO1000B	DECO1000H
Coating Technology		Multi-Arc Ion Plating + Magnetron Sputtering	Multi-Arc Ion Plating + Magnetron Sputtering	Multi-Arc Ion Plating + Magnetron Sputtering(Functional and Decorative Coatings)
Coating Color		Gold, Rose Gold, Golden Coatings	Imitation Gold, Black, Gunmetal, Colorful, Blue, and Other Dark Series (Customizable as Required)	
Application Substrate		Metal Parts such as Steel, Stainless Steel, Titanium, Brass, Aluminum, as well as Glass, Crystal, Ceramics, and Polymers		
Application Field		Applications in Bathroom, Hardware, Electronics, Watches, Jewelry, Golf Equipment, Kitchenware, etc.		
Structure		Split Design, Vertical Side-Opening Door, 2 Windows		
Control Mode		Manual + Semi-Automatic + Fully Automatic / Touch Screen + PLC		
Air System		Mass Flow Controller (1-4 Channels)		
Ultimate Vacuum		6 × 10 ⁻⁴ Pa (No Load, Clean Room)		
Operating Temperature (°C)		Room Temperature to 300°C		
Arc Target (quantity, optional) Φ100×H40mm		10	10	10
Cylindrical Target (quantity, optional) Φ70×H1150mm		8	8	8
Chamber Size (mm)		Φ1200×H1250	Φ1200×H1250	Φ1200×H1250
Effective Coating Area (mm)		Φ1000×H950	Φ1000×H950	Φ1000×H950
Distance Between Work Holder Axles (adjustable as needed)		Rod Distance: Φ250 × 9 Rods	Rod Distance: Φ250 × 9 Rods	Rod Distance: Φ250 × 9 Rods
Work Holder Motion Mode		Planetary and Self-Rotation / Stepless Variable Frequency Speed Control	Planetary and Self-Rotation / Stepless Variable Frequency Speed Control	Planetary and Self-Rotation / Stepless Variable Frequency Speed Control
Pump System	Molecular Pump (Jiutai)	2	2	2
	Roots Pump (CuiMan / Laibao)	1	1	1
	Maintenance Pump (Beichengyouyi)	1	1	1
	Mechanical Pump (Laibao / Beichengyouyi)	1	1	1
Power Supply System	Arc Power Supply (HS)	10	10	10
	Bias Power Supply (HS)	1	1	/
	Intermediate Frequency Power Supply (Pailite)	4	4	2
	High-Power Pulsed Magnetron Sputtering Power Supply (Huotingge)	/	/	2
	High-Power Pulsed Single-Stage Bias Power Supply (Huotingge)	/	/	1

DECO1550 Series Equipment Parameter



Model		DECO1550G	DECO1550B	DECO1550H
Coating Technology		Multi-Arc Ion Plating + Magnetron Sputtering	Multi-Arc Ion Plating + Magnetron Sputtering	Multi-Arc Ion Plating + Magnetron Sputtering(Functional and Decorative Coatings)
Coating Color		Gold, Rose Gold, Golden Coatings	Imitation Gold, Black, Gunmetal, Colorful, Blue, and Other Dark Series (Customizable as Required)	
Application Substrate		Metal Parts such as Steel, Stainless Steel, Titanium, Brass, Aluminum, as well as Glass, Crystal, Ceramics, and Polymers		
Application Field		Applications in Bathroom, Hardware, Electronics, Watches, Jewelry, Golf Equipment, Kitchenware, etc.		
Structure		Split Design, Vertical Side-Opening Door, 2 Windows		
Control Mode		Manual + Semi-Automatic + Fully Automatic / Touch Screen + PLC		
Air System		Mass Flow Controller (1-4 Channels)		
Ultimate Vacuum		6 × 10 ⁻⁴ Pa (No Load, Clean Room)		
Operating Temperature (°C)		Room Temperature to 300°C		
Arc Target (quantity) Φ100×H40mm		10	10	10
Cylindrical Target (quantity, optional) Φ70×H1150mm		8	8	8
Cylindrical Arc Target (quantity, optional) Φ70×H1150mm		1	1	1
Chamber Size (mm)		Φ1750×H1250	Φ1750×H1250	Φ1750×H1250
Effective Coating Area (mm)		Φ1550×H950	Φ1550×H950	Φ1550×H950
Distance Between Work Holder Axles (adjustable as needed)		Rod Distance: Φ250 × 16 Rods	Rod Distance: Φ250 × 16 Rods	Rod Distance: Φ250 × 16 Rods
Work Holder Motion Mode		Planetary and Self-Rotation / Stepless Variable Frequency Speed Control	Planetary and Self-Rotation / Stepless Variable Frequency Speed Control	Planetary and Self-Rotation / Stepless Variable Frequency Speed Control
Pump System	Molecular Pump (Jiutai)	3	3	3
	Roots Pump (CuiMan / Laibao)	1	1	1
	Maintenance Pump (Beichengyouyi)	1	1	1
	Mechanical Pump (Laibao / Beichengyouyi)	2	2	2
Power Supply System	Arc Power Supply (HS)	1	1	1
	Arc Power Supply (HS)	10	10	10
	Bias Power Supply (HS)	1	1	/
	Intermediate Frequency Power Supply (Pailite)	4	4	2
	High Power Pulsed Magnetron Sputtering Power Supply (Jiutai)	/	/	2

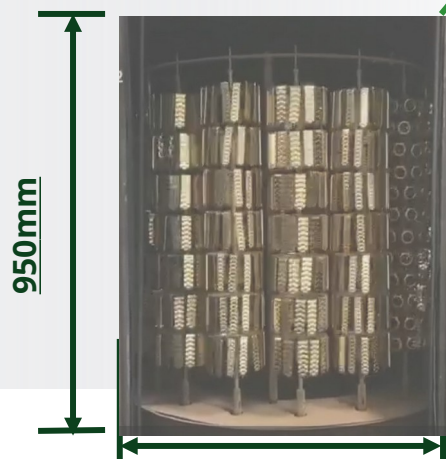
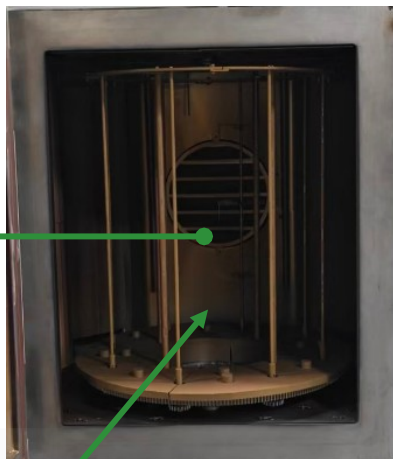
DECO1700 Series Equipment Parameter



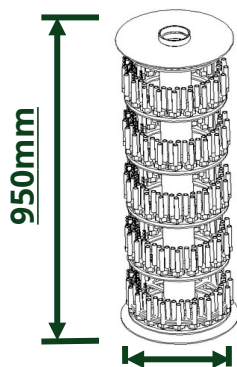
Model		DECO1700G	DECO1700B	DECO1700H
Coating Technology		Multi-Arc Ion Plating + Magnetron Sputtering	Multi-Arc Ion Plating + Magnetron Sputtering(Functional and Decorative Coatings)	
Coating Color		Gold, Rose Gold, Golden Coatings	Imitation Gold, Black, Gunmetal, Colorful, Blue, and Other Dark Series (Customizable as Required)	
Application Substrate		Metal Parts such as Steel, Stainless Steel, Titanium, Brass, Aluminum, as well as Glass, Crystal, Ceramics, and Polymers		
Application Field		Applications in Bathroom, Hardware, Electronics, Watches, Jewelry, Golf Equipment, Kitchenware, etc.		
Structure		Split Design, Vertical Side-Opening Door, 2 Windows		
Control Mode		Manual + Semi-Automatic + Fully Automatic / Touch Screen + PLC		
Air System		Mass Flow Controller (1-4 Channels)		
Ultimate Vacuum		6 × 10 ⁻⁴ Pa (No Load, Clean Room)		
Operating Temperature (°C)		Room Temperature to 300°C		
Arc Target (quantity, optional) Φ100×H40mm		12	12	12
Cylindrical Target (quantity, optional) Φ70×H1150mm		16	16	16
Cylindrical Arc Target (quantity, optional) Φ70×H1150mm		1	1	1
Chamber Size (mm)		Φ1900×H1250	Φ1900×H1250	Φ1900×H1250
Effective Coating Area (mm)		Φ1700×H950	Φ1700×H950	Φ1700×H950
Distance Between Work Holder Axles (adjustable as needed)		Rod Distance: Φ250 × 18 Rods	Rod Distance: Φ250 × 18 Rods	Rod Distance: Φ250 × 18 Rods
Work Holder Motion Mode		Planetary and Self-Rotation / Stepless Variable Frequency Speed Control	Planetary and Self-Rotation / Stepless Variable Frequency Speed Control	Planetary and Self-Rotation / Stepless Variable Frequency Speed Control
Pump System	Molecular Pump (Jiutai)	4	4	4
	Roots Pump (CuiMan / Laibao)	1	1	1
	Maintenance Pump (Beichengyouyi)	1	1	1
	Mechanical Pump (Laibao / Beichengyouyi)	3	3	3
Power Supply System	Arc Power Supply (HS)	1	1	1
	Arc Power Supply (HS)	12	12	12
	Bias Power Supply (HS)	1	1	/
	Intermediate Frequency Power Supply (Pailite)	8	8	6
	High-Power Pulsed Magnetron Sputtering Power Supply (Huotingge)	/	/	2

DECO1000 Equipment Parameter

Loading capacity (9 rods)

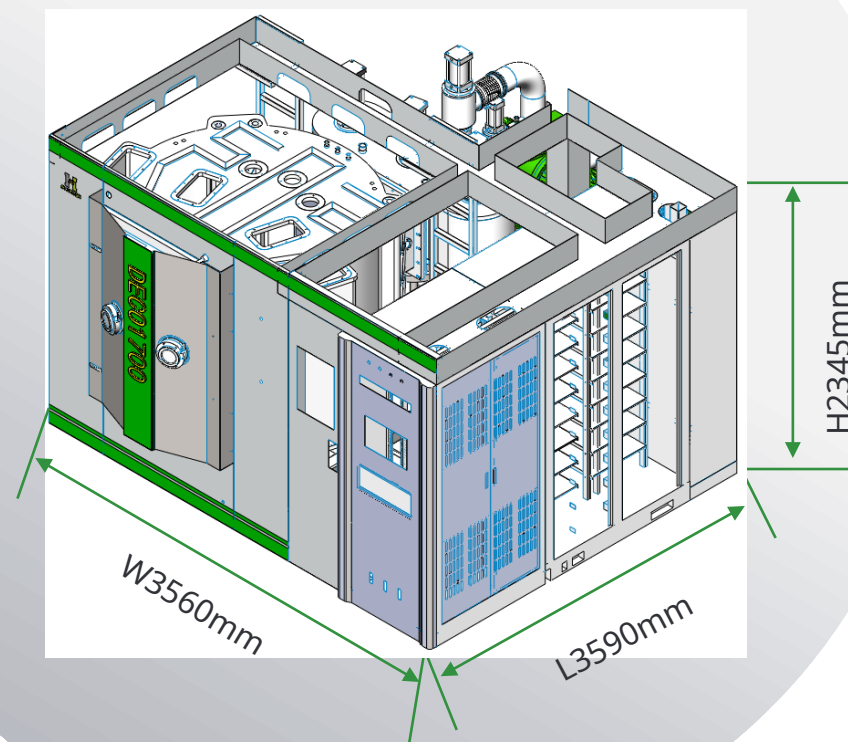


loading area
 $\Phi 1000$

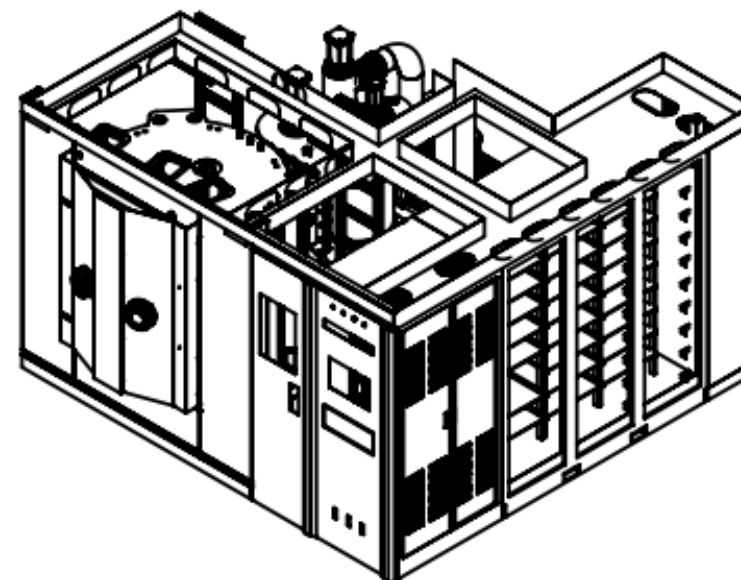
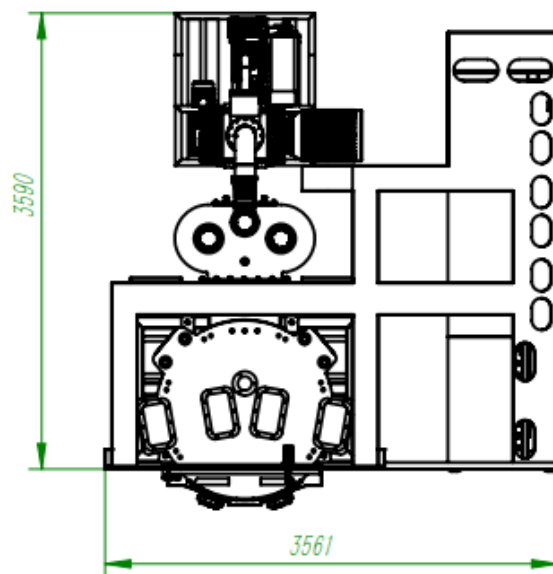
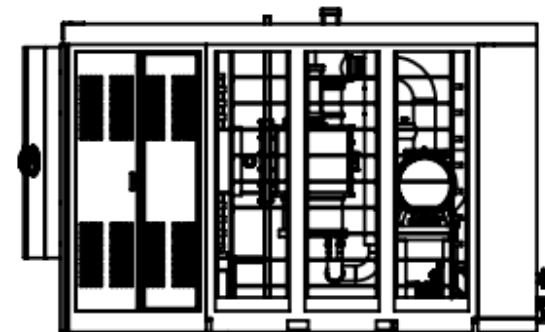
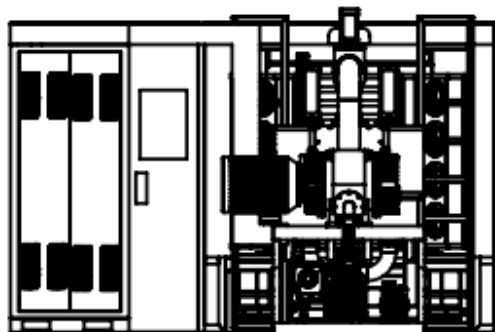
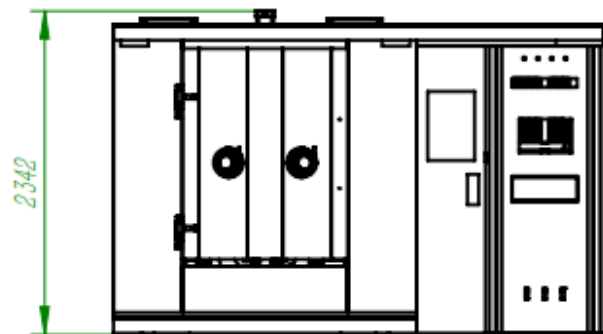


Spindle diameter
 $\Phi 250$

Effective
coating area

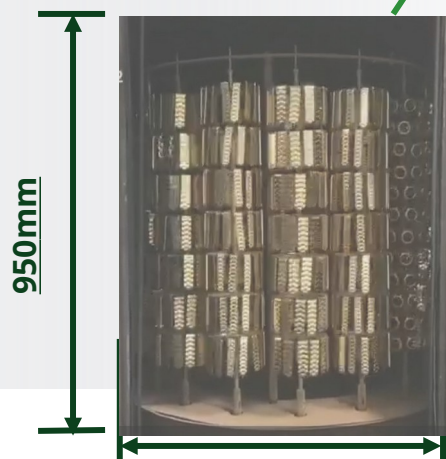
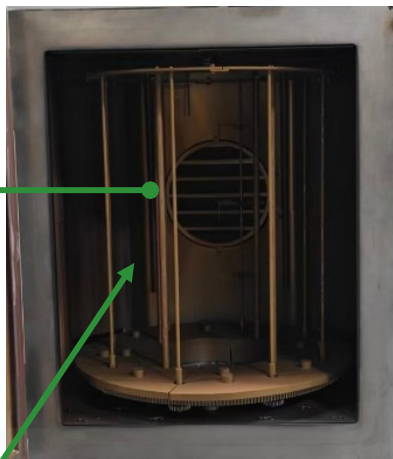


DECO1000 Layout

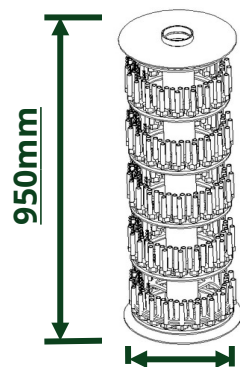


DECO1550 Series Equipment Parameter

Loading capacity (16 rods)

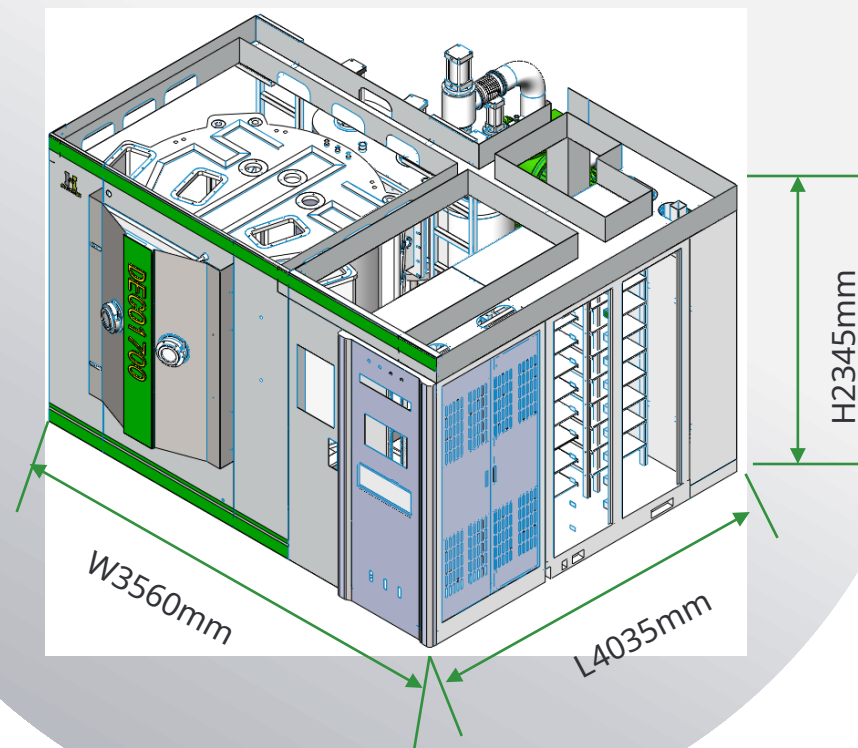


loading area
 $\Phi 1550$

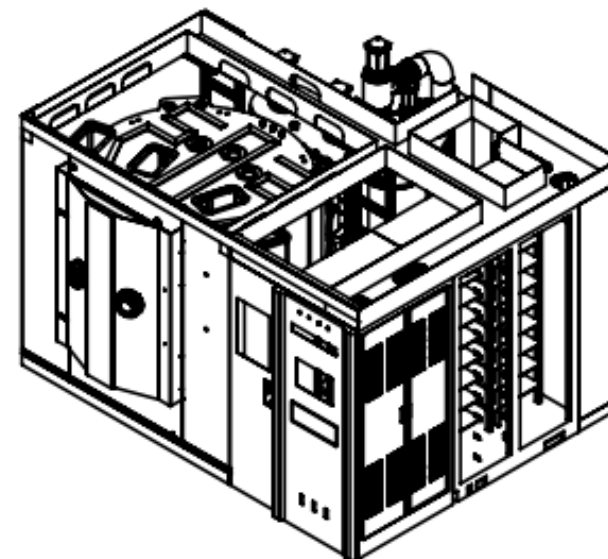
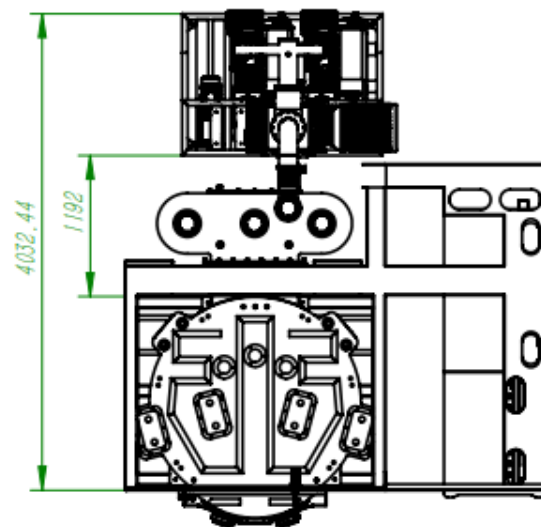
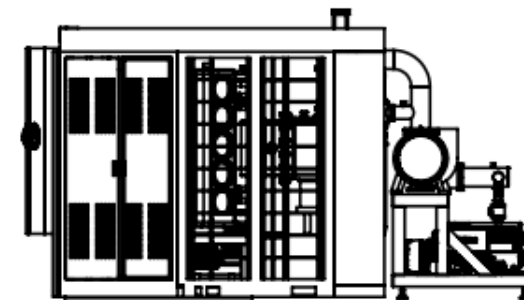
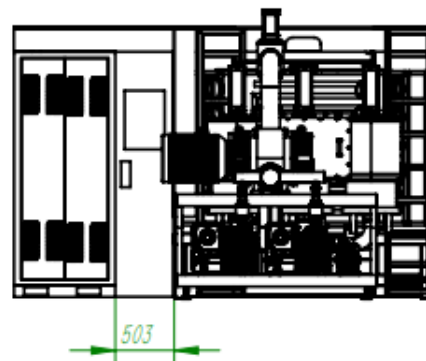
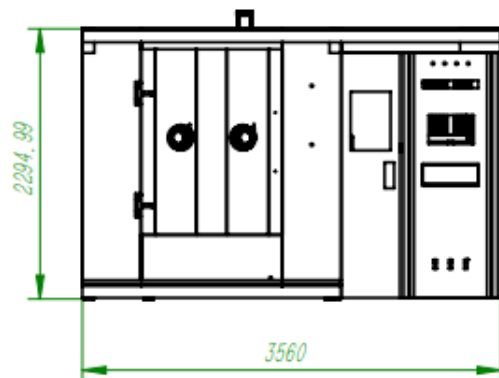


Spindle diameter
 $\Phi 250$

Effective
coating area

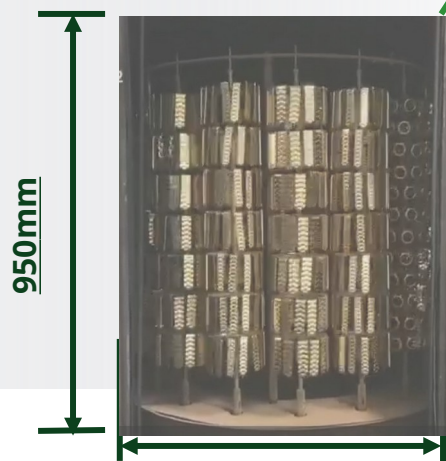


DECO1550 Layout

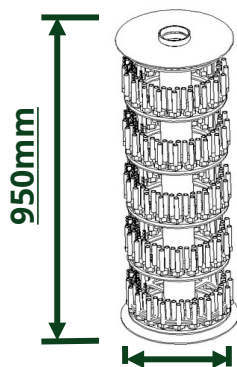


DECO1700 Equipment Parameter

Loading capacity
(18 rods)

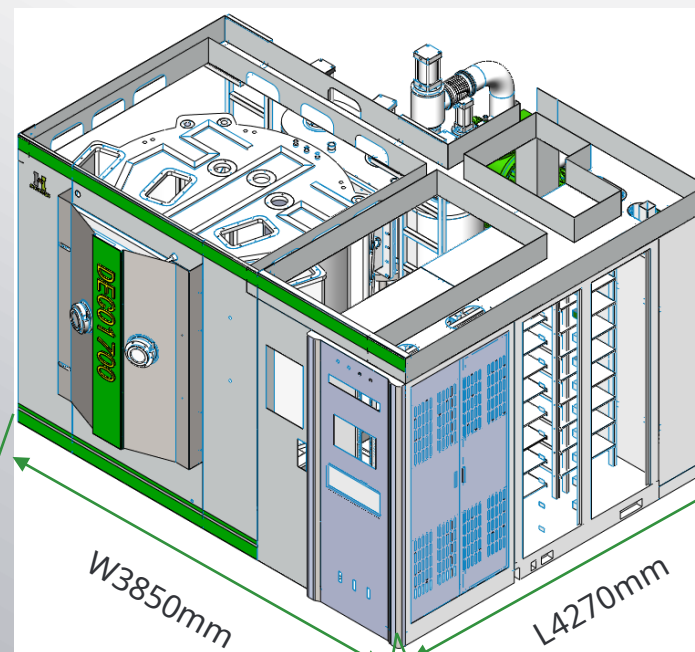


Loading area
 $\Phi 1700$

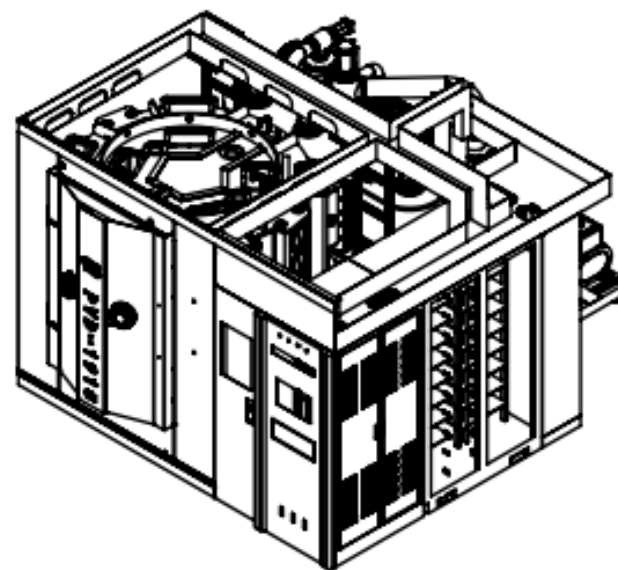
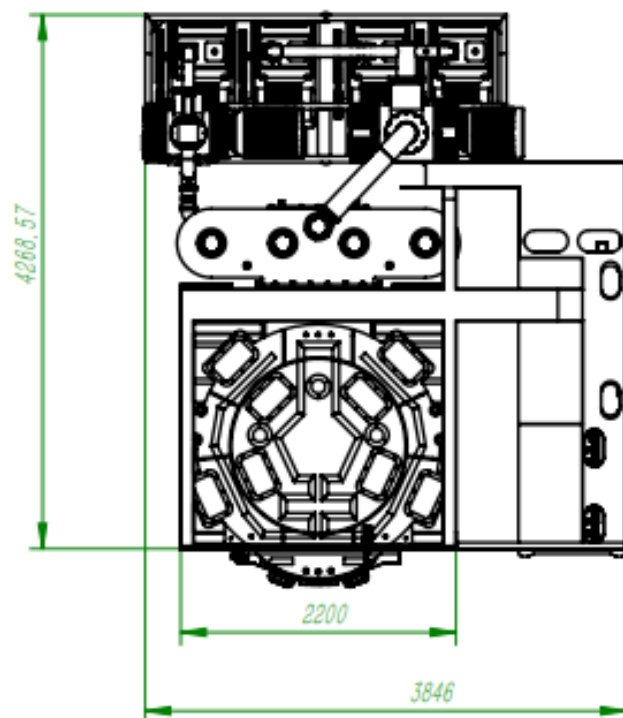
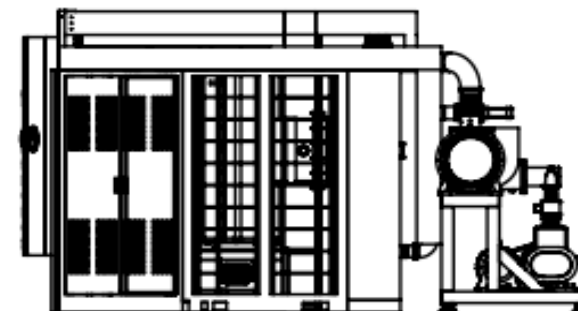
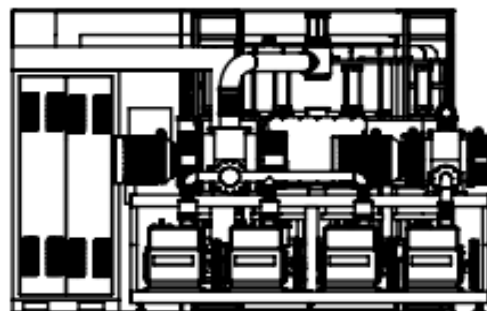
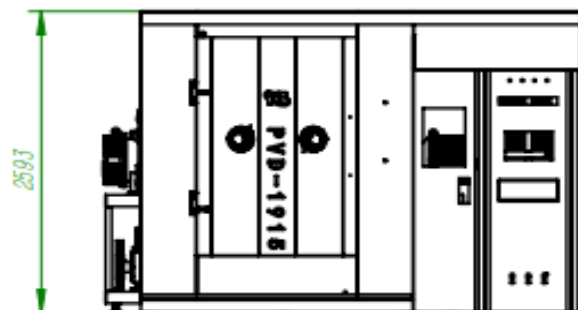


Spindle diameter
 $\Phi 250$

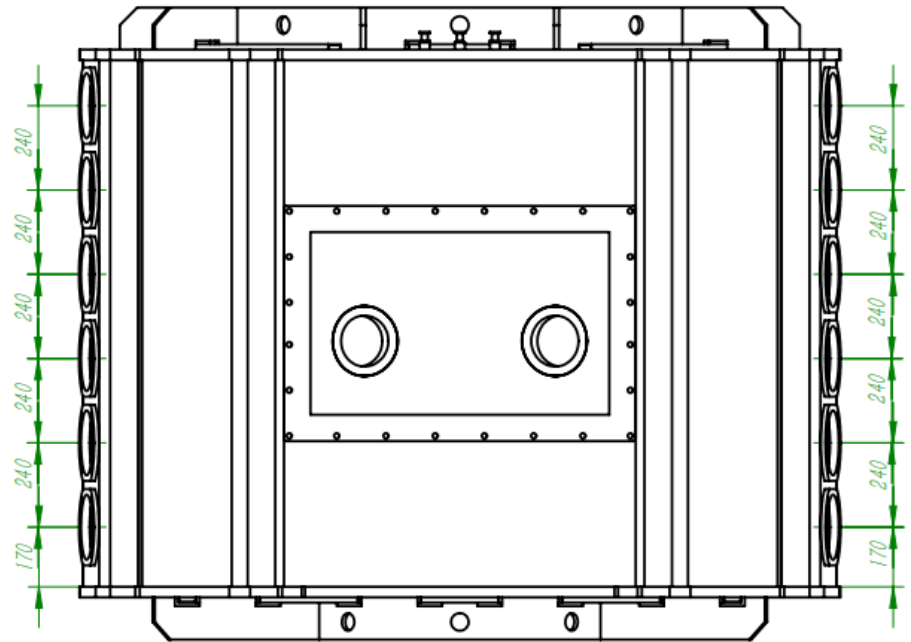
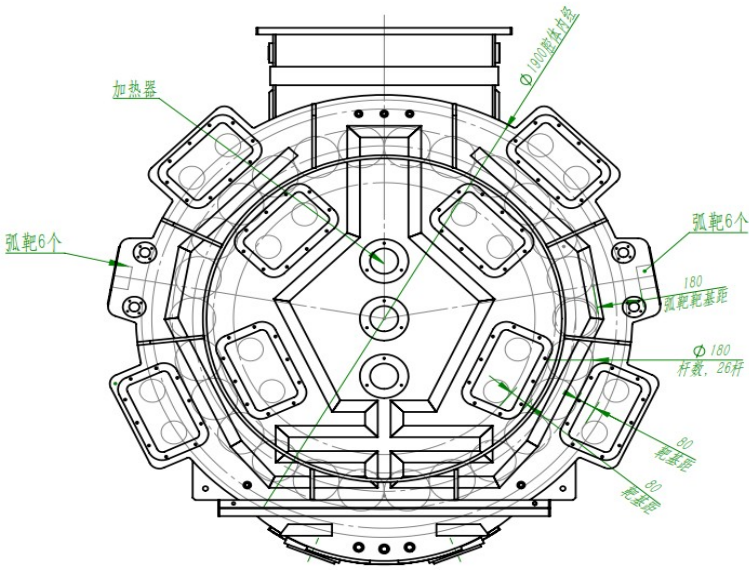
Effective
coating area



DECO1700 Layout



DECO Series Equipment Layout



Model	DECO1000 Series	DECO1550 Series	DECO1700 Series
Arc sources	10	10	12
Cylindrical Target (quantity, optional) Cylindrical target	8	8	16
lindrical Arc Target (quantity, optional	/	1	1
Arrangement method	Vertical Arrangement	Vertical Arrangement	Vertical Arrangement
Advantage	The process is mature, easy to operate, with fast film deposition speed, high efficiency, low cost, high production volume, good adhesion, wear resistance, and not easy to fade. It is a cost-effective, mass-production coating equipment. It can coat colors such as titanium gold, rose gold, gunmetal, coffee, blue, and other colorful finishes.		

DECO Series Equipment Electrical Parameters

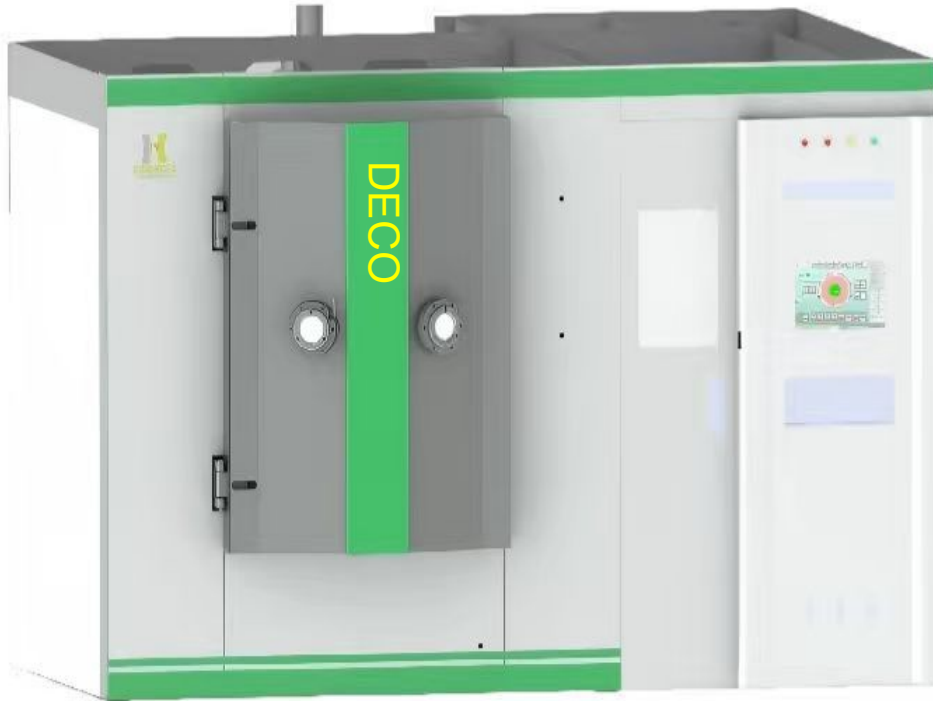
Model	DECO1000 Series	DECO1550 Series	DECO1700 Series
Voltage	3*380/220V (3L+N+PE)		
Current	3*180A	3*225A	3*300A
Power	265kW	280kW	300kW
Frequency	50/60Hz		
Cooling water 20~28℃	Maximum Inlet Pressure: 3 bar, Maximum Outlet Pressure: 0.5 bar		
Compressed air	6-7bar		
Process gas :	0.15 ~ 0.3MPa		

DECO Series Equipment Consumption

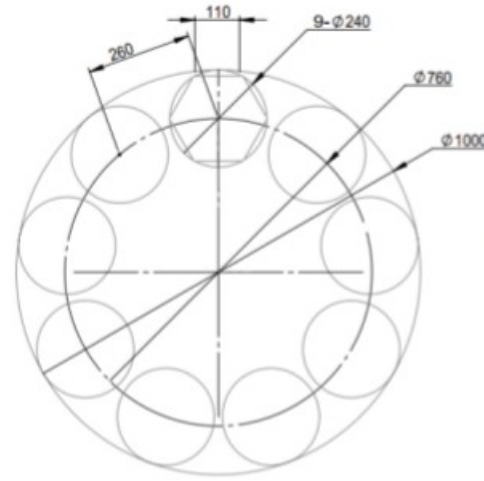


Model	DECO1000 Series	DECO1550 Series	DECO1700 Series
Minimum Purity	Ar ≥99.9992%		
	N ₂ ≥99.9992%		
	C ₂ H ₂ ≥99.5 %		
	O ₂ ≥95.2 %		
Consumption per batch	Ar Consumption per Batch: 20 L	Ar Consumption per Batch: 20 L	Ar Consumption per Batch: 24 L
	N ₂ Consumption per Batch: 2 L	N ₂ Consumption per Batch: 2 L	N ₂ Consumption per Batch: 3 L
	C ₂ H ₂ Consumption per Batch: 5 L	C ₂ H ₂ Consumption per Batch: 5 L	C ₂ H ₂ Consumption per Batch: 6 L
	O ₂ Consumption per Batch: 4 L	O ₂ Consumption per Batch: 4 L	O ₂ Consumption per Batch: 6 L
Cooling water	Max heat discharge 40kW 80 L/min (Ullage 6 L/batch)	Max heat discharge 60kW 100 L/min (Ullage 10 L/batch)	Max heat discharge 80kW 110 L/min (Ullage 10 L/batch)
Electric power supply	Average power 40kW/h About 4h per batch (subject to the process)	Average power 50kW/h About 4h per batch (subject to the process)	Average power 65kW/h About 4h per batch (subject to the process)

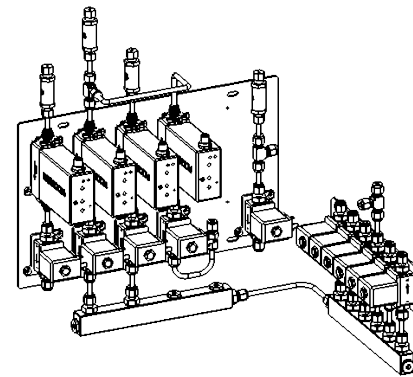
Functional Components



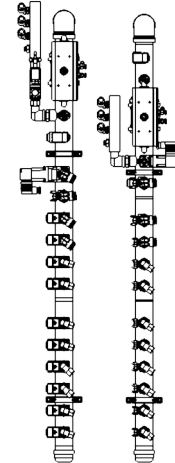
Device body



Work transfer frame

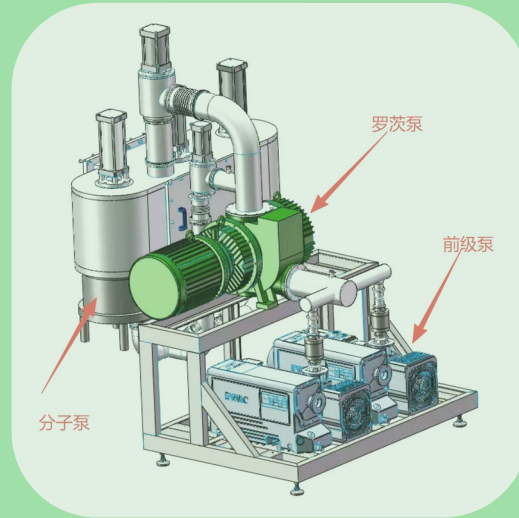


Gas module



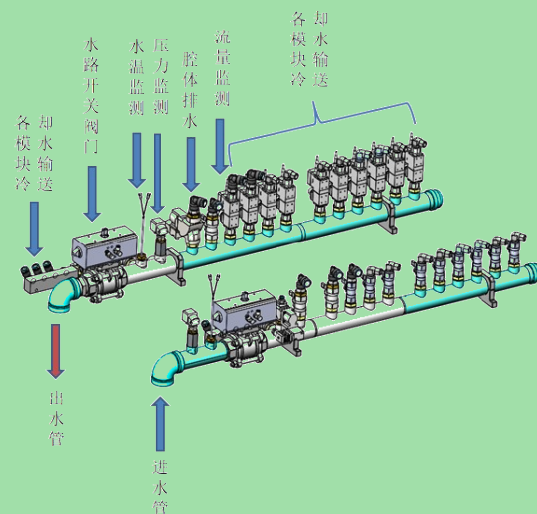
Waterway module

Vacuum system



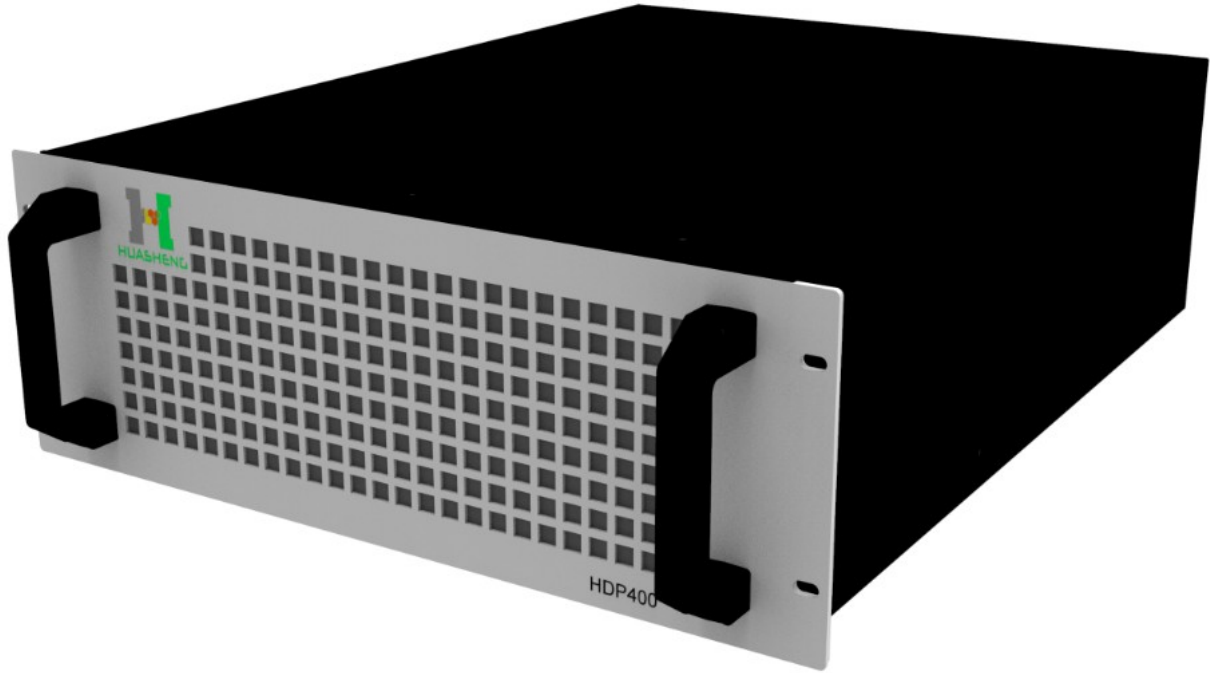
- Pump the vacuum chamber to required vacuum level for coating
- Can choose Chamber pressure control mode or flow control mode
- Achieves precise control of gases

Waterway system



- Provide cooling water for every functional module
- Protect components and seals of each module when working at high temperature
- Each branch monitors flow and temperature individually

HS Arc Source Power Supply (Designed and Produced by Huasheng)

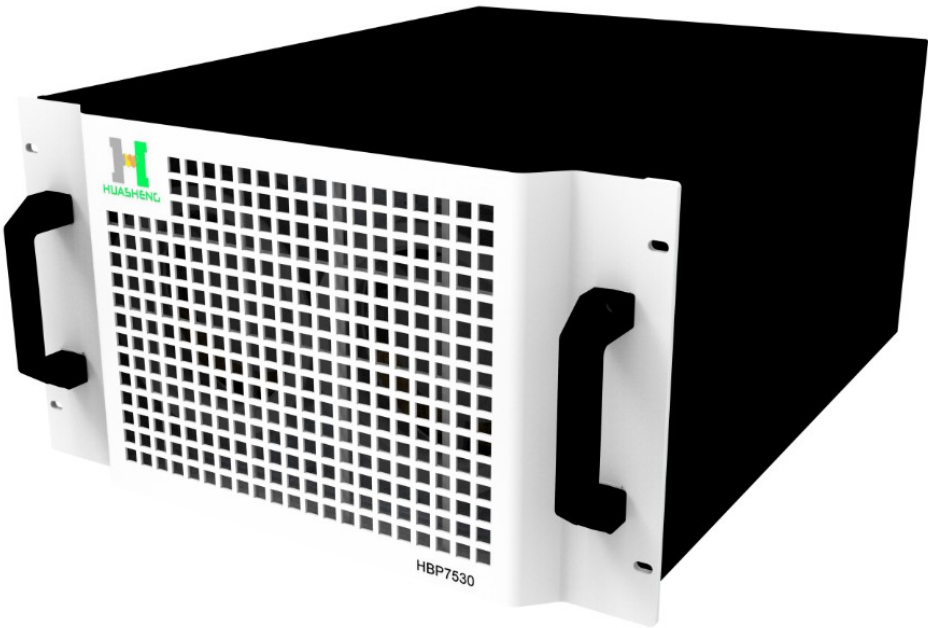


Item	Parameter
Voltage	73V
Power	10kW
Frequency	0.1~500Hz
Duty cycle	5~95%
Current	4~300A

HS Bias Power Supply (Designed and Manufactured by Huasheng)



- | | |
|---|--|
| <ul style="list-style-type: none">• Constant voltage output, providing negative bias for turntable. | <ul style="list-style-type: none">• Make the workpiece clean more thoroughly and improve the adhesion of the film layer. |
| <ul style="list-style-type: none">• By changing the value of negative bias voltage, the film performance can be adjusted. | |



Item	Parameter
Voltage	20-1000VDC
Power	30kW
Frequency	1~30KHz
Duty cycle	1~99%
Current	400V/75A 1000V/30A

High-Power Pulsed Single-Stage Bias Power Supply (Huotingge)



Item	Parameter
Voltage	1200 V
Current	66.5 A
Power	20kW
Frequency	2-100 kHz
Duty cycle	10-100%
Control Mode	Constant Current / Constant Voltage / Constant Power

MF Magnetron Sputtering Power Supply (Plit PM/MFS40KM)



Item	Parameter
Voltage Characteristics	No-Load Voltage: Approx. AC 1000 V Process Range (Voltage): 200–800 V
Current Characteristics	Maximum Current: 50.0 A Process Range (Current): 0.1–50.0 A
Rated Power	40kW
Duty Cycle	≥88%
Operating Efficiency	≥92%
Control Mode	Constant Current / Constant Voltage / Constant Power

High-Power Pulsed Single-Stage Bias Power Supply (Huotingge)



Item	Parameter
Voltage	1000 V
Current	1000A
Power	20kW
Frequency	2-100 kHz
Duty cycle	10-100%
Control Mode	Constant Current / Constant Voltage / Constant Power

High-Power Pulsed Magnetron Sputtering Power Supply (Huotingge)



Item	Parameter
Output Voltage	2000V
Output Current	2000A
Rated Power	20kW
Frequency	10k-40kHz
Duty Cycle	30-90%
Control Mode	Constant Current / Constant Voltage / Constant Power

Core Components List (DECO1000B)



Item	Name	Brand	Quantity	Parameter description
1	Turbomolecular pump	Jiutai	2	Pumping Speed: 4200 L/s, Ultimate Pressure: <10 ⁻⁸ Pa
2	Roots pump	Laibao / Cuiman	1	Pumping Speed: 600 m ³ /h, Ultimate Pressure: 1 x 10 ⁻² Pa
3	Maintenance pump	Beichengyouyi	1	50Hz Pumping Speed: 14 L/s, 50.4 m ³ /h; 60Hz Pumping Speed: 16.8 L/s, 60.5 m ³ /h; Ultimate Pressure: 4 x 10 ⁻² Pa
4	Mechanical pump	Laibao / Beichengyouyi	1	50Hz Pumping Speed: 77.8 L/s, 280 m ³ /h; 60Hz Pumping Speed: 94.4 L/s, 340 m ³ /h; Ultimate Pressure: Gas balance 70 Pa, Shut-off pressure 8 Pa
5	Bias power supply	Huasheng	1	HBP7530, 30kW, DC Pulse, DC1000V.
6	MF magnetron sputtering power supply	Pailite	4	Rated power 40Kw, AC1000V, 45kHz, maximum current 50A
7	Evaporation power supply	Huasheng	10	DC Pulse, 10kW,400A, 500Hz.
8	Flow meter	Yidong	4	1. Mass flow meters, with electromagnetic shut-off valves (4 units), and one set of mixed gas tank; 2. Uses centralized gas mixing with uniform distribution in the vacuum chamber to ensure pressure stability; 3. 1000sccm/2 500sccm/2

* 具体详见技术协议
*Subject to the technical agreement

Core Components List (DECO1000B)



Item	Name	Brand	Quantity	Parameter description
9	Automation systems	Huasheng	1	PC/PLC, 19-inch touch screen
10	Chamber	Huasheng	1	304 stainless steel, indirect water cooling
11	Workpiece transmission system	Huasheng	1	Adopts (Planetary Motion) Chassis-type Planetary and Self-rotation Motion, equipped with a footswitch for easy loading and unloading of workpieces
12	Temperature control system	Huasheng	1	Uses U-shaped heating tubes to heat from room temperature to within 150°C, total power: 27 kW
13	Vacuum measurement	Ruibao	1	ZDF-5227BYV01/B Type Composite Pressure Measurement Instrument
14	Cooling control system	Huasheng	1	Water temperature, flow sensor, pressure sensor

* 具体详见技术协议
*Subject to the technical agreement

Core Components List (DECO1550B)



Item	Name	Brand	Quantity	Parameter description
1	Turbomolecular pump	Jiutai	3	Pumping Speed: 4200 L/s, Ultimate Pressure: <10 ⁻⁸ Pa
2	Roots pump	Laibao / Cuiman	1	Pumping Speed: 600 m ³ /h, Ultimate Pressure: 1 x 10 ⁻² Pa
3	Maintenance pump	Beichengyouyi	1	50Hz Pumping Speed: 14 L/s, 50.4 m ³ /h; 60Hz Pumping Speed: 16.8 L/s, 60.5 m ³ /h; Ultimate Pressure: 4 x 10 ⁻² Pa
4	Mechanical pump	Laibao / Beichengyouyi	2	50Hz Pumping Speed: 77.8 L/s, 280 m ³ /h; 60Hz Pumping Speed: 94.4 L/s, 340 m ³ /h; Ultimate Pressure: Gas Balance 70 Pa, Shut-off Pressure 8 Pa
5	Bias power supply	Huasheng	1	HBP7530, 30kW, DC Pulse, DC1000V.
6	MF magnetron sputtering power supply	Pailite	4	Rated power 40Kw, AC1000V, 45kHz, maximum current 50A
7	Arc power supply	Huasheng	10	DC Pulse, 10kW,300A, 500Hz.
8	Cylindrical Arc Power Supply	Huasheng	1	DC Pulse, 10kW,300A, 500Hz.
9	Flow meter	Yidong	4	1. Mass flow meters, with electromagnetic shut-off valves (4 units), and one set of mixed gas tank; 2. Uses centralized gas mixing with uniform distribution in the vacuum chamber to ensure pressure stability;3. 1000sccm/2 500sccm/2

* 具体详见技术协议
*Subject to the technical agreement

Core Components List (DECO1550B)



Item	Name	Brand	Quantity	Parameter description
10	Automation systems	Huasheng	1	PC/PLC, 19-inch touch screen
11	Chamber	Huasheng	1	304 stainless steel, indirect water cooling
12	Workpiece transmission system	Huasheng	1	Adopts (Planetary Motion) Chassis-type Planetary and Self-rotation Motion, equipped with a footswitch for easy loading and unloading of workpieces
13	Temperature control system	Huasheng	1	Uses U-shaped heating tubes to heat from room temperature to within 150°C, total power: 27 kW
14	Vacuum measurement	Ruibao	1	ZDF-5227BYV01/B Type Composite Pressure Measurement Instrument
15	Cooling control system	Huasheng	1	Water temperature, flow sensor, pressure sensor

* 具体详见技术协议
*Subject to the technical agreement

Core Components List (DECO1700B)



Item	Name	Brand	Quantity	Parameter description
1	Turbomolecular pump	Jiutai	4	Pumping Speed: 4200 L/s, Ultimate Pressure: <10 ⁻⁸ Pa
2	Roots pump	Laibao / Cuiman	1	Pumping Speed: 600 m ³ /h, Ultimate Pressure: 1 x 10 ⁻² Pa
3	Maintenance pump	Beichengyouyi	1	50Hz Pumping Speed: 14 L/s, 50.4 m ³ /h; 60Hz Pumping Speed: 16.8 L/s, 60.5 m ³ /h; Ultimate Pressure: 4 x 10 ⁻² Pa
4	Mechanical pump	Laibao / Beichengyouyi	3	50Hz Pumping Speed: 77.8 L/s, 280 m ³ /h; 60Hz Pumping Speed: 94.4 L/s, 340 m ³ /h; Ultimate Pressure: Gas Balance 70 Pa, Shut-off Pressure 8 Pa
5	Bias power supply	Huasheng	1	HBP7530, 30kW, DC Pulse, DC1000V.
6	MF magnetron sputtering power supply	Pailite	8	Rated power 40Kw, AC1000V, 45kHz, maximum current 50A
7	Arc power supply	Huasheng	12	DC Pulse, 10kW,300A, 500Hz.
8	Cylindrical Arc Power Supply	Huasheng	1	DC Pulse, 10kW,300A, 500Hz.
9	Flow meter	Yidong	4	1. Mass flow meters, with electromagnetic shut-off valves (4 units), and one set of mixed gas tank; 2. Uses centralized gas mixing with uniform distribution in the vacuum chamber to ensure pressure stability;3. 1000sccm/2 500sccm/2

* 具体详见技术协议
*Subject to the technical agreement

Core Components List (DECO1700B)



Item	Name	Brand	Quantity	Parameter description
10	Automation systems	Huasheng	1	PC/PLC, 19-inch touch screen
11	Chamber	Huasheng	1	304 stainless steel, indirect water cooling
12	Workpiece transmission system	Huasheng	1	Adopts (Planetary Motion) Chassis-type Planetary and Self-rotation Motion, equipped with a footswitch for easy loading and unloading of workpieces
13	Temperature control system	Huasheng	1	Uses U-shaped heating tubes to heat from room temperature to within 150°C, total power: 27 kW
14	Vacuum measurement	Ruibao	1	ZDF-5227BYV01/B Type Composite Pressure Measurement Instrument
15	Cooling control system	Huasheng	1	Water temperature, flow sensor, pressure sensor

* 具体详见技术协议
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Main Accessories Brands

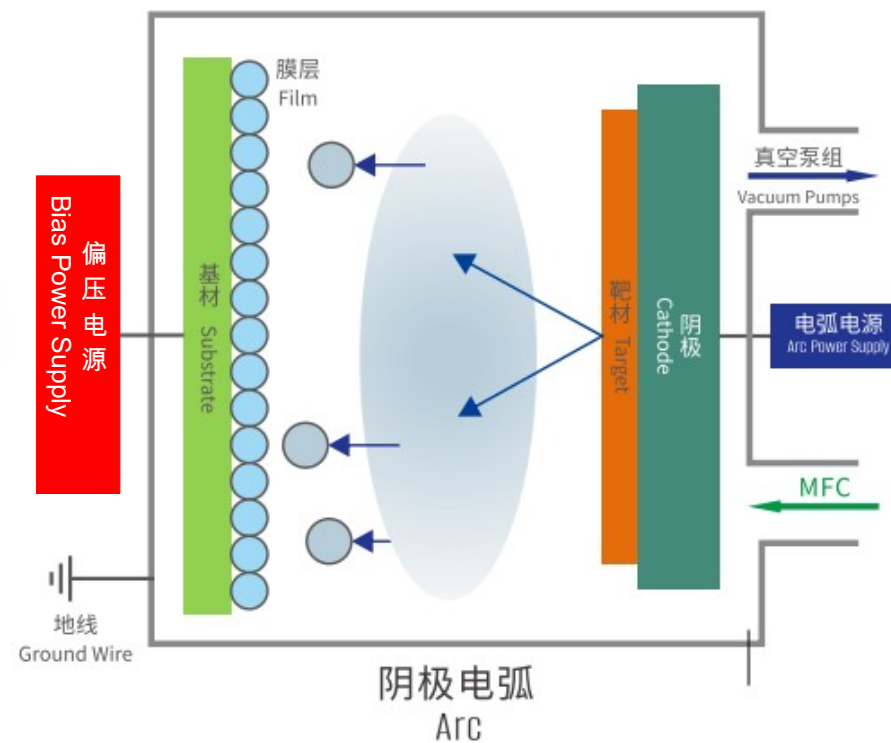
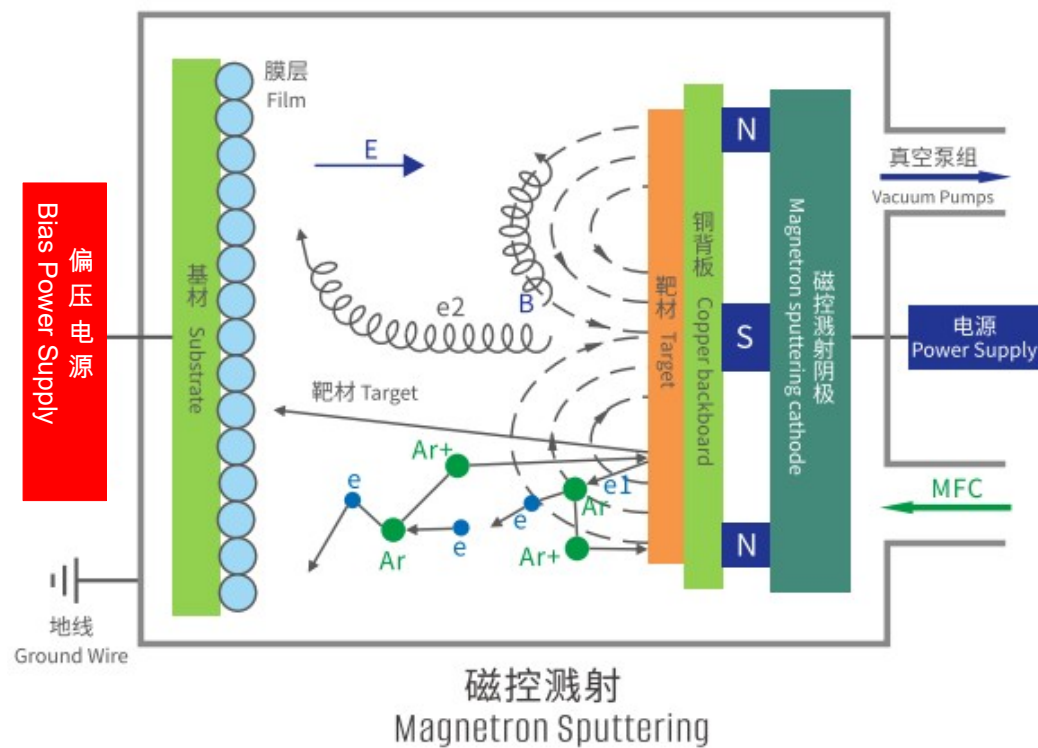


No.	NAME	BRAND
1	Turbomolecular pump	Jiutai
2	Roots pump	Laibao / Cuiman
3	Maintenance pump	Beichengyouyi
4	Mechanical pump	Laibao / Beichengyouyi
5	Bias power supply	Huasheng
6	MF magnetron sputtering power supply	Pailite
7	Arc power supply	Huasheng
8	Cylindrical Arc Power Supply	Huasheng
9	High-Power Pulsed Magnetron Sputtering Power Supply	Huotingge
10	High-Power Pulsed Single-Stage Bias Power Supply	Huotingge
11	Flow meter	Yidong
12	Vacuum measurement	Ruibao

03

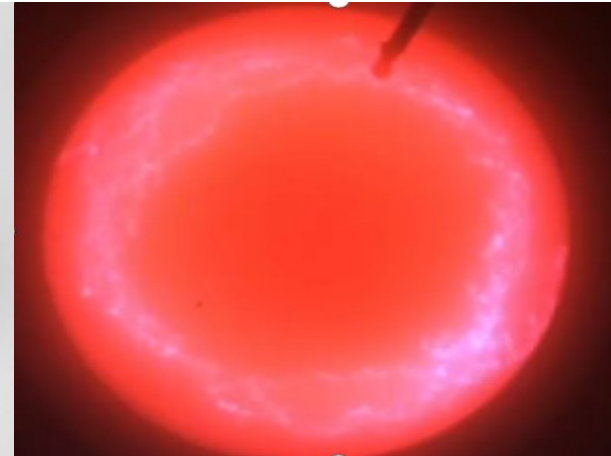
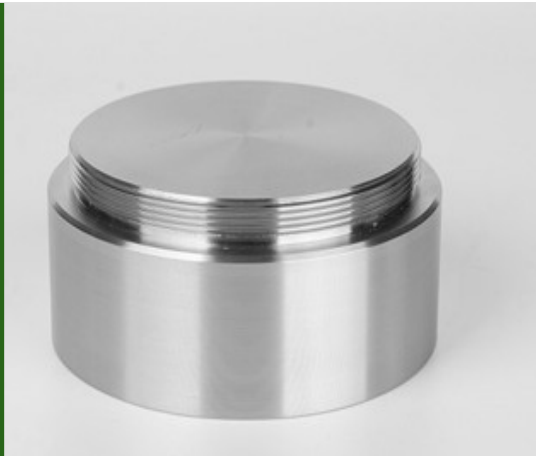
DECO Equipment Technology and Applications

Technical Features



Technical Features

**Cathodic
Arc**



**Rotating
Cathode**

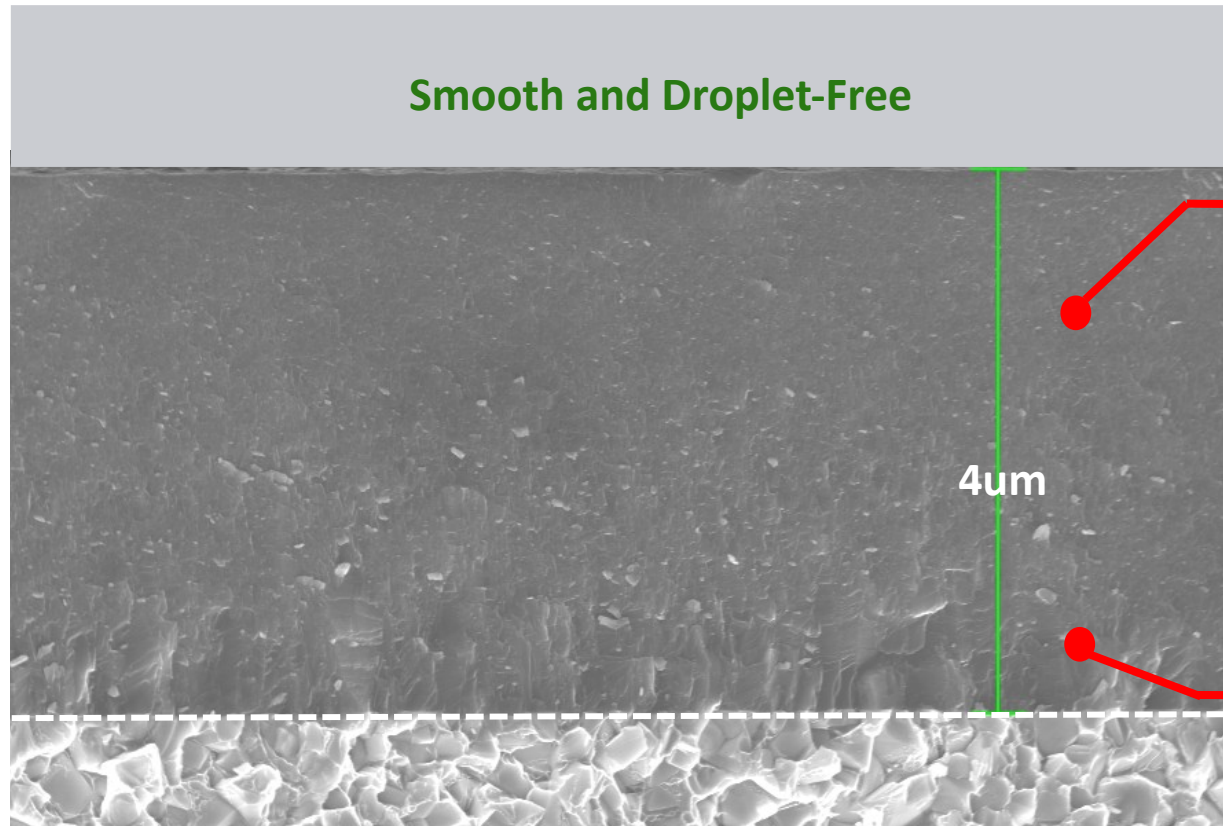


HIPIMS

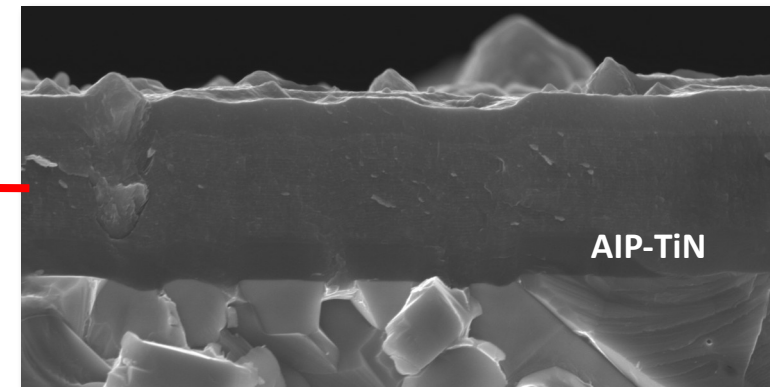


Multi-Arc + Magnetron Sputtering + HIPIMS Coating Features

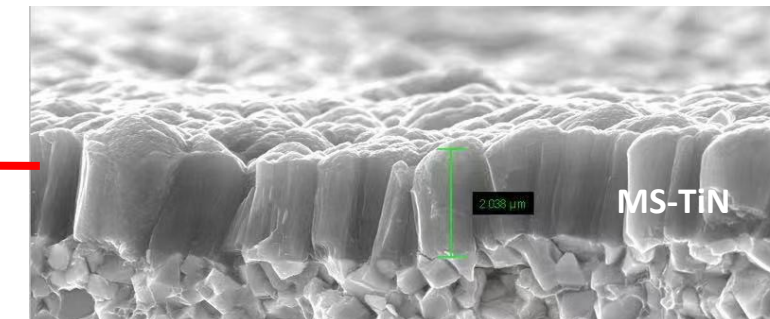
The coating possesses the technical advantages of high density from arc deposition and low stress, droplet-free characteristics from magnetron sputtering.



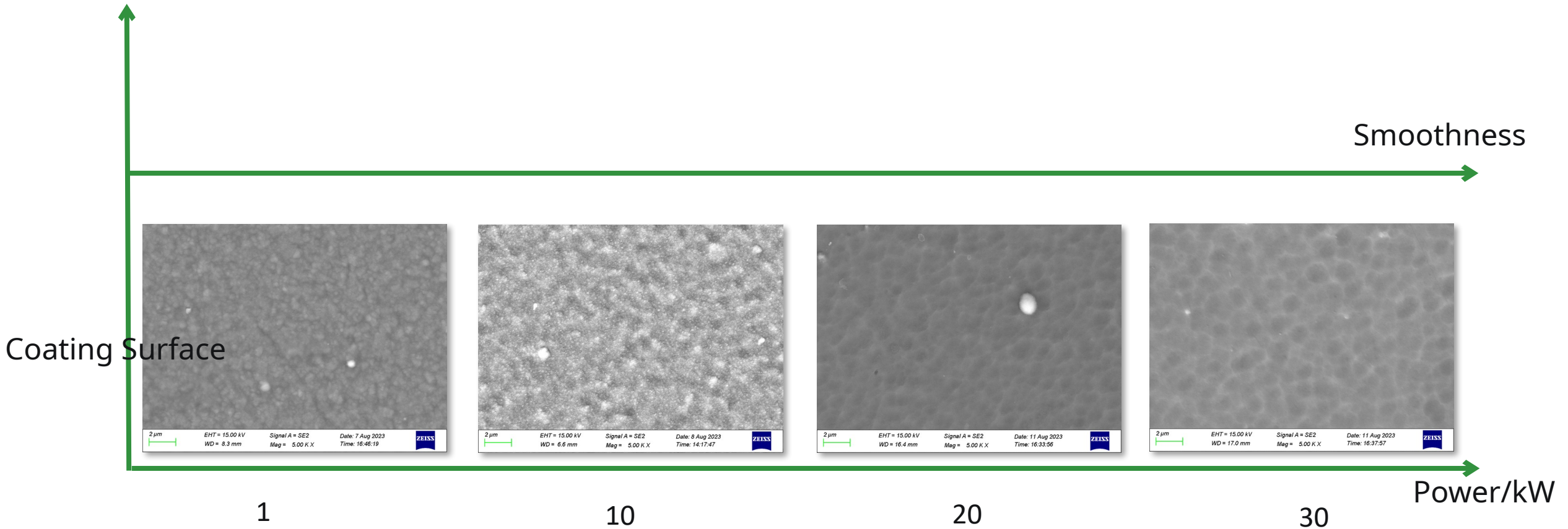
High Density



Low Stress



Surface of Multi-Arc + Magnetron Sputtering + HIPIMS Coating



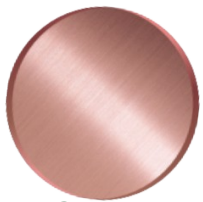
Common processes for decorative plating

Scope of application

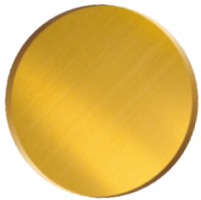
- ◆ Applications in Bathroom, Hardware, Electronics, Watches, Jewelry, Golf Equipment, Kitchenware, etc.

Process characteristics

- ◆ Multiple Color Options Available (Customizable)



Copper Red



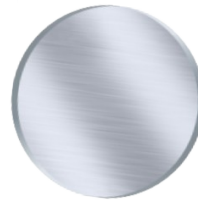
Gold



Rose Gold



Brown



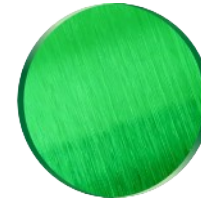
Silver



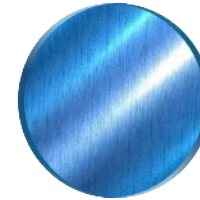
Black



Purple



Green

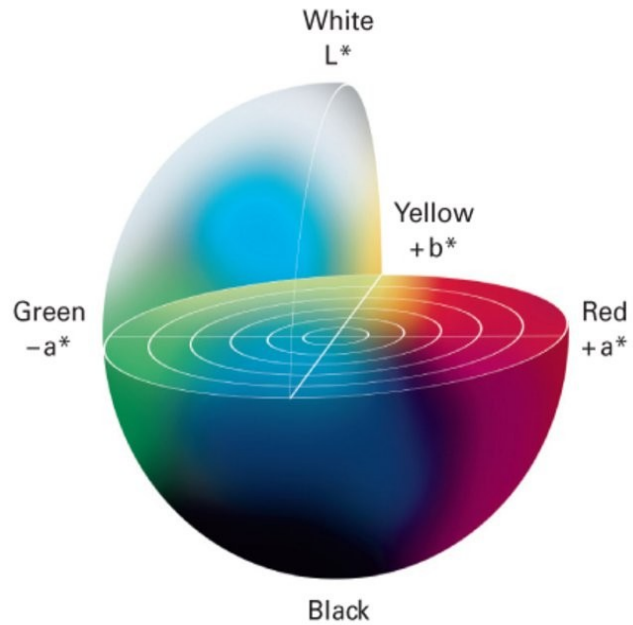


Blue

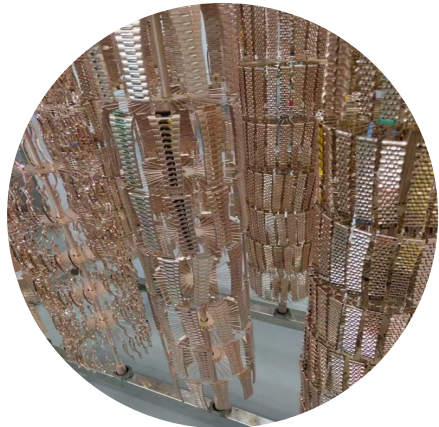


Applications of PVD Coatings in Consumer Products

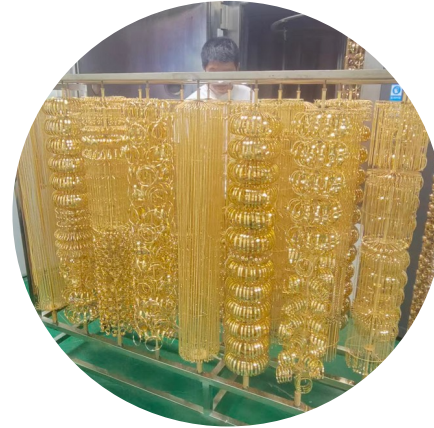
- **Consumer Goods and Decorative Items:** Decorative coatings are crucial for businesses in markets driven by fashion trends. This includes fast-moving consumer items, often luxury goods, as well as longer-lasting products such as bathroom hardware (faucets and showers), watches, and digital devices.



Decorative Plating Applications (Watches)



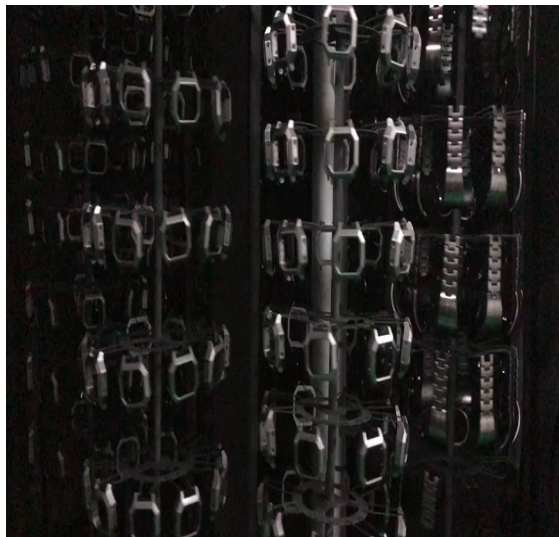
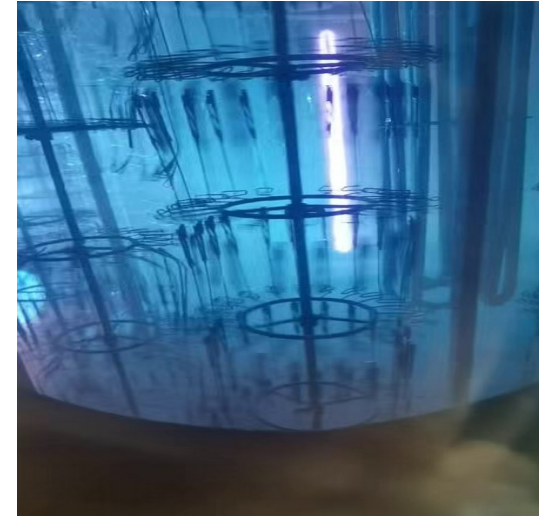
Decorative Plating Applications (Jewelry)



Decorative Plating Applications (Golf Club Heads, Eyeglass Frames, Glassware)



Decorative Plating Applications (Video)





Your Ideas, Our Solution

THANKS