

ZY-1515 Decorative Vacuum Coating Machine



Introduction

ZY-1515 decorative vacuum coating machine is a high-quality vacuum coating equipment specially used for the coating of sanitary products. And it is a magnetic control and multi-arc all-in-one machine. This equipment adopts medium-frequency magnetron sputtering technology, multi-arc ion plating technology, pulse bias technology and other advanced technologies. It also uses high-power medium-frequency sputtering power supply, magnetically controlled medium-frequency cylindrical targets and pneumatic arc round targets, which greatly increase the sputtering rate of targets and the deposition rate of thin films, but also greatly improves film uniformity and adhesion.

At the same time, ZY-1515 is equipped with newly developed PLC intelligent program and touch screen automatic control system, which can complete the process settings, data collection, recording and other missions. Also, it has is simple and fast operation, as well as stable and reliable performance.

ZY-1515 can make smooth coatings in IP black, rose gold, IP gold, sapphire blue, champagne gold, silver, brown, colorful, gun black, zirconium, rose red and other colors, the coating is awfully dense and uniform with strong adhesion to have an effect of beauty and protection. Therefore, the machine is widely used to make TiN, TiC, TiCN, CrN, TiAlN and other high-quality coatings for the bathroom accessory, hardware, watchcase, bracelet, golf equipment, tableware and other products.

Features

1. Environment protecting and pollution-free.
2. Equipped with a large-scale vacuum furnace ($\phi 1500 \times H1500$) to ensure large loading capacity and high production efficiency, cost savings.
3. Full automatic control system ensures simple operation and stable performance.
4. The coating is extremely smooth, dense and shiny.
5. Excellent film uniformity and repeatability.
6. Convenient and quick maintenance of equipment.

Specification

Chamber Size	φ1500*H1500	Effective Space	φ1250*H1200
Max Dia of Workpiece*qty	φ240*8pcs	Pumping-down Time	(from atm. to $4 \times 10^{-3} < 25$ mins
Voltage/Hz	380V/50Hz	Actual Power	100KW
Technology	IF+ARC (Optional)	Target Qty	11 Arc Targets/ 4 Cylindrical Targets
Ultimate Pressure	5.0×10^{-4} Pa	Leak Rate	$< 10^{-3}$ Pa.L/s
Standard Coatings	IP-black, rose gold, IP-gold, sapphire blue, champagne gold, silver, brown, colorful, gun black, zirconium, rose red...	Standard Configuration	11 Cathode Arcs/ 4 MF Cylindrical Targets
Rotating Stand Structure	Lower Structure	Vacuum Chamber Structure	Vertical Single Open
Power Supply	MF Magnetron Sputtering Power Supply Pulse-bias Power Supply Special Vacuum Arc Power Supply	Vacuum System	Molecular Pump Roots pump Rotary Vane Pump
Coating Cycle	0.5-1.5 hours/furnace	Occupation Space	L3600*W3100*H2600mm
Control Method	Manual+Semi-automatic+ Full automatic Integration	Supporting Conditions	Circulating Water Pressure: 2-3KG/CM ³
	Industry PC+PLC+Touch Screen		Flow:10T/H
	Our own special coating software		Compressed Air:4-6KG/CM ³
Working Gas	Ar, N ₂ , O ₂ , C ₂ H ₂ , etc	Application	Decorative Coatings
Notes	Furnace, Outlook and Other Parameters Can be Customized According to the Requirement.		

