

Tribological and Functional Coatings

ZY-PVD1012GJ Multi-Arc Ion Coating Machine

● Features

1. Vacuum chamber designed vacuum seal and the processing parts inside of chamber, could bearing 500°C high temperature, and high vacuum performance.
2. Coated film layer has higher bonding strength of film base, smoother coating surfaces and better toughness.
3. Adopted Automatic control system, the process stability and repeatability are greatly improved.
4. Vacuum chamber size octahedron 1000XH1200, equipped with two sets of removable lower turntable and turntable lifter, easy to operating, realize fast furnace batch switch, high production efficiency is guaranteed.



● Equipment Brief

ZY-PVD1012GJ Multi-Arc Ion Coating Machine is a super hard film ion plating film machine, self-developed by IKS, adopted unique new filter arc source coating technology, plasma enhanced anode assisted coating technology, the route and distribution of plasma inside the furnace are planned, the ionization rate of the target material was enhanced, So that the surface of the target is etched uniformly, the coating surface is smooth and compact while the bonding force of the coating is optimized, ensure coating thickness and uniformity. Meanwhile, the application of new technology improves the efficiency of coating, saves energy and operation cost.

● Equipment Parameters

Chamber Size	BM1000XH1200	Effective Space	Φ700XH800
Applied Technology	IET+ARC	Quantity of Target Material	8PcsΦ 100mm
Standard Coating	TiN, Crn, TiCN, AlTiN, etc.	Other Composite Coating	TiAlCrN, TiSiN, TiCrN, DLD, etc.
Production Cycle	About 3hours/furnace	Overall Demension	L2400XW2400XH2400mm
Rang of Application	Applicable to stick milling cutter, micro-drill, cutter grain, etc		

● Coated Product

