

Experimental PVD Coating System

The STN-500A has been specially designed for small volume products tools & decorative coating. For small volume products the STN-500A offers an stable productivity. This equipment is especially developed for those applications requiring processing different products of small output, short cycle times. The STN-500AT has been specially designed for tools coating of small volume products. For small volume products the STN-500AT offers an stable productivity. This equipment is especially developed for those applications requiring processing different products of small output, short cycle times.

Inner size of the chamber - Diameter: 400~600mm; Height: 400mm~600mm

Vacuum pumping system - Oil diffusion pump + Root's pump + Rotary pump

Controlling system - PLC & Touch Screen OR PLC & PC

Ionization source & Bias power supply - Number. of targets:1~2

Power of BIAS: 5kW~10kW

Specification Model STN-500A STN-500AT
 Process Chamber ϕ :500mm*H500mm ϕ :550*H600mm
 Pumping System Backing Pump Rotary vane pump with 108m³/h Diffusion Pump Oil diffusion pump with 7200m³/h *A
 System Control PLC control
 Cathodes 2 unit 3 unit (optional)
 Cathodes Power Max 160A
 Bias Power Supply 15KW, 0-600V
 Process Gas System 500sccm 3 unit 2 unit 1000sccm-1 unit
 Heating System 0-6KW , PID control
 Power 380V three phase four line
 Turntable Driving System 3unit, rotation, revolution
 Driving Control 0-18rpm (variable)
 Cooling Water System PL-05 (optional)
 Oven 8KW, 800*800*1000mm (optional)
 *A: STN-500A can also equipped with molecular pump with pumping speed 600 L /s; and for STN-500AT with turbo molecular pump with pumping speed 1500 L /s