

Cathode Arc Coater

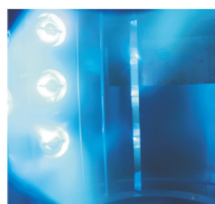
多弧离子镀膜设备



Key components 设备单元



Arc Cathode
阴极弧



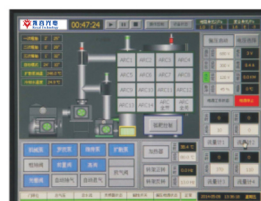
Arc Plating
离子镀膜



Arc Power Supply
电源柜



Bias Power Supply
偏压电源



PLC

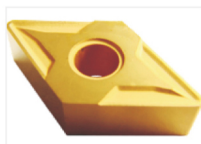


Electrical Enclosure
电控柜

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Description 描述



RTAC 系列真空多弧镀膜机主要用于镀制多种金属膜，也可以镀多层膜、合金膜等，如镀装饰膜（钛金色、铬色、枪灰色、咖啡色等颜色）。适用于五金件，水晶、玻璃、陶瓷工艺品，电子产品、洁具、家居用品、眼镜框、餐具等。

此镀膜设备主要由镀膜腔室、真空获得系统、电弧离子系统、行星旋转基片架、加热器、冷却系统、气路系统、水冷循环系统和循环水制冷系统及断电、水保护系统、自动控制系统等组成。该设备属生产设备，可镀制膜层有氮化钛（TiN）、碳化钛（TiC）、氮化铬（CrN）、氮化铝钛（TiAlN）等膜层，膜层具有高光泽度，高硬度、高耐磨性、抗腐蚀的特性；沉积速度快，很好的绕射性。

RTAC series coating equipment mainly used to deposite various metal and metal alloy coatings, multiple-layer films .

1. **Applications:** functional coatings on mechanical tools; glass, crystal and ceramic products; watch and clock metal parts; electronic products, bathroom fittings and house appliance, spectacles, tableware etc.

2. **Structure:** deposition chamber, vacuum pumps, arc sources, spindle & jack, jigs structure, heating & cooling, water & gas (distribution), electrical control & operation systems etc.

3. **Coating Colors:** gold, black, brown, grey, chrome colors etc.

4. **Coatings properties:** TiN, TiC, ZrN, CrN, TiAlN, with high shiny colors, strong adhesion & excellent scratch protection, fast deposition rate, good diffraction.

RTAC Standard 标准镀膜设备

Model 型号	Size(mm) 尺寸	Number of Planetary Rods 行星体转轴数量	Bias Voltage(kw) 偏压	Arc Sources 弧源数量	Ultimate Vacuum 极限真空	Cycle Time 镀膜周期	Electrical Power 电源
RTAC1214	Φ1200xH1400	6,8	24	12	8x10 ⁻⁴ Pa	30'~40' depends on on substrates 30~40分，由产品决定	3Phase/AC 380V,50HZ
RTAC1416	Φ1400xH1600	6, 8,16	36	14			
RTAC1616	Φ1600xH1600	8,16	36	16			
RTAC1418	Φ1400xH1800	8.16	36	16			

RTAC Customized 订制镀膜设备

Model 型号	Size(mm) 尺寸	Application 应用	Bias Voltage(kw) 偏压	Arc Sources 弧源数量	Ultimate Vacuum 极限真空	Cycle Time 镀膜周期	Electrical Power 电源
RTAC2022	Φ2000xH2200	Ceramic/glass tiles 瓷砖	60	28	8x10 ⁻⁴ Pa	30'~40' depends on on substrates 30~40分，由产品决定	3Phase/AC 380V,50HZ
RTAC2042	Φ2000xH4200	Chandelier,furniture, handrails 大型异形件: 展柜架，吊灯，楼梯扶手，家具等	60	40			
RTAC2336	Φ2300xH3600	Stainless steel sheets and tubes 不锈钢板材，不锈钢管材等。	60	32			