

Description 描述

PVD蒸发真空镀膜设备,专业在塑料、玻璃等物体表面进行金属化物相沉积。它成膜速率快,膜层牢固,色泽鲜亮,膜层不易受污染,可获得致密性好、纯度高、膜厚均匀的膜层。不产生废液、废水,可避免对环境的污染,是大规模生产的理想设备。

设备应用广泛,如:

装饰性镀膜: 塑料基材 ABS, PP, PC, PET, PMMA, 玩具, 珠宝首饰, 圣诞球装饰产品, 钮扣, 鞋, 镜子, 灯具, 化妆品包装。

功能性膜层: 刀片上的隔热膜, HMDSO硅油保护膜, EMI 和 NCVM等电子产品领域。

光学膜领域: 减反膜, 望远镜, 潜望镜, 放大镜, 数码相机。

蒸发方式: 电阻加热方式: 采用钨丝、钨舟等蒸发气化比其熔点低的金属如: 铝丝, 铬丝, 银丝等。

电子束加热方式: 采用钼, 铜, 石墨坩埚蒸发沉积氧化物, 金属合金颗粒等。

PVD (Physical Vapor Deposition) thermal evaporation process is 100% environmentally friendly. As an advanced coating technology, its high quality finishing, fast deposition rate, brilliant uniformity, strong adhesion and low production cost properties make it an ideal solution for various industries:

Decorative Coatings: ABS, PP, PC, PET, PMMA, glass substrates to deposit a thin film, high reflective, metallic like coating on toy parts, fashion and consume jewelry accessories, Christmas tree decorations, balls, buttons, shoes, mirrors, lamps, cosmetics packages.

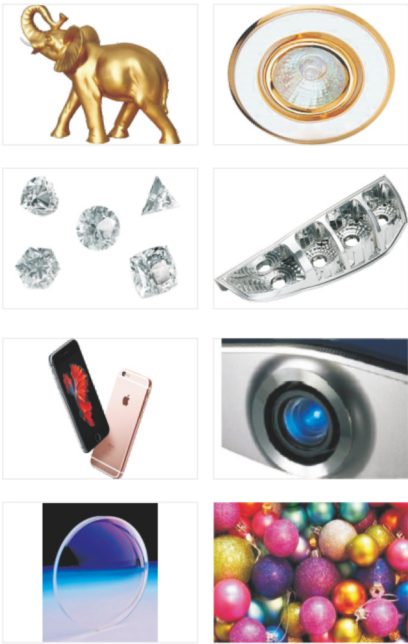
Functional Coatings: protective layer: heating insulation, HMDSO protective layers, EMI & NCVM on electronic parts.

Optics Coatings: Anti-Reflection coating (AR film), telescope, periscope, microscope and digital camera.

Evaporation Methods:

Tungsten filaments, basket, boats and boxes by direct resistant heating to deposit metals which have lower melting point than tungsten like: Aluminum, Chrome, Silver.

Molybdenum, copper, graphite crucibles to deposit oxides, alloys materials which are used majority for the Electron Beam gun evaporation.



REC Standard 标准镀膜设备

Model 型号	Size(mm) 尺寸	Door Configuration 门结构	Number of Planetary Rods 行星体转轴数量	Evaporation Power(kVA) 蒸发电源	Plasma(kVA) 等离子电源	Ultimate Vacuum 极限真空	Cycle Time 镀膜周期	Electrical Power 电源
RTEP1012	Φ1000xH1200	1 door, vertica or horizontal	6,8,10	20	7	8x10 ⁻⁴ Pa	10'~15' depends on substrates 10 ~15分, 由产品决定	3Phase/AC 380V,50HZ
RTEP1416	Φ1400xH1600	1 door, vertica or horizontal	6, 8,16	30	7			
RTEP1418	Φ1400xH1800	1 door, vertica or horizontal	6,16	35	10			
RTEP1616	Φ1600xH1600	2-door, vertical	8.16	35	10			
RTEP1618	Φ1600xH1800	2-door, vertical	8.16	35	10			
RTEP1820	Φ1800xH2000	2-door, vertical 1 door, horizontal	6	40	10			
RTEP2022	Φ2000xH2200	1 door, horizontal	10,12,16	40	10			

REC Customized 订制镀膜设备

Model 型号	Size(mm) 尺寸	Door Configuration 门结构	Application 应用	Coating Technology 镀膜技术	Number of Planetary Rods 行星体转	Evaporation Power(kVA) 蒸发电源	Cycle Time 镀膜周期
RTEP3618	Φ3600xH1800	1 door, vertical	Automotive Logo 汽车广告牌	Resistant Evaporation 电阻式蒸发	1	80	10'~15' depends on substrates
RTEP2215	Φ2200xH1500	1 door, vertical			1	50	
RTEP2525	Φ2500xH2500	1 door, vertical			1	50	
RTEP6638	L6600xH3800	1 door, vertical			1	100	
RTEP0913	Φ900xH1300	1 door, vertical	Medical 医疗	E-Beam Evaporation 电子束蒸发	1	40	10 ~15分, 由产品决定
RTEP1820	Φ1800xH2000	2 door, vertical	Automotive Light 汽车车灯	MF PECVD, Polymerization MF PECVD 聚合物制程	6, 8	50	
RTEP1616	Φ1600xH1600	2-door, vertical 1 door, horizontal	EMI & NCVM 电磁屏蔽膜, 真空不导电膜	Resistant Evaporation 电阻式蒸发	12, 16	40	

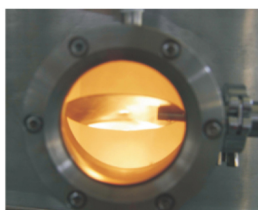
热蒸发镀膜设备 THERMAL EVAPORATION COATER



Key components 设备单元



E-beam Evaporation
电子束蒸发



Viewport
观察窗



Polycold
水气冷凝捕集器



PLC



Resistant Evaporation
电阻蒸发



Rotation rack
转架

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