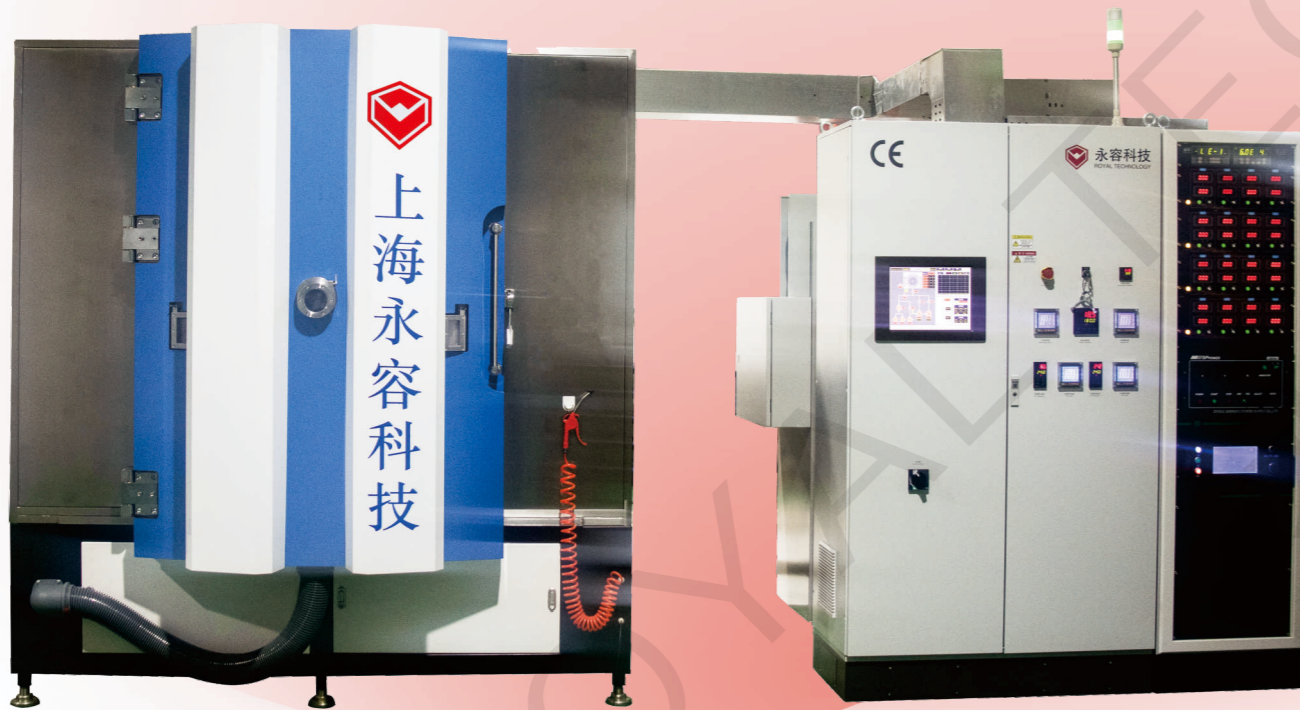


RTAC1600- PAPVD

Polymer Plastic Metallization Equipment 塑料金属化设备



Technology Background

Royal Technology provides innovative PAPVD coating technology and equipment, which can get rid of the electroless roughening process on engineering plastic parts.

技术背景

永容科技提供一种创新的PAPVD涂层技术和设备，可以代替工程塑料工件的化学粗化工艺。

Benefits 优点

Environmentally friendly 是一种环保制程
Deposited thickness is controllable 膜层厚度可控
Stronger adhesion 良好的附着力
Water consumption saving 减少水的使用
Lower cost of craftsmanship 降低生产成本
Short cycle time 生产周期短

Applications 应用领域

RT1600-PAPVD is suitable for plastic materials: PPS, ABS, ABS+PC, PA, PEEK, etc.

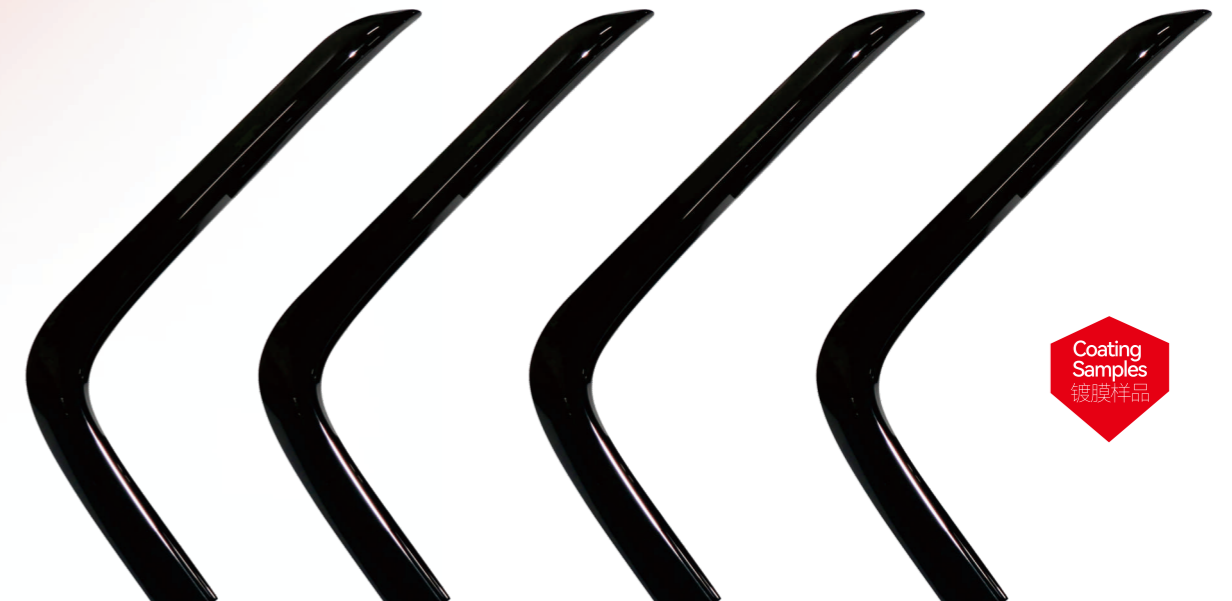
LTAVD , Low Temperature Arc Vapor Deposition, also named as Low Temperature arc ion plating. It is suitable for low temperature resistance plastic workpieces decorative coatings.

Consumer electronics: cellphone, computer, television, cameras;
Home appliances: air conditioners, washing machine, vacuum cleaners;
Bathroom and kitchen fixtures;
Automotive industry: plastic interior trims and exterior trims, LOGO

RT1600-PAPVD应用于塑料材质: PPS、ABS、ABS+PC、PA、PEEK等。

LTAVD即低温电弧气相沉积,又名低温多弧离子镀。适用于耐低温塑料工件的装饰涂层。

消费类电子产品: 手机、电脑、电视、相机;
家用电器: 空调、洗衣机、吸尘器等
浴室和厨房设备;
汽车行业: 塑料内饰和外饰、LOGO

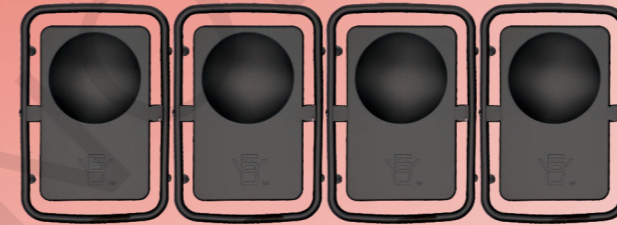


Technical Specifications

技术参数



Coating Samples
镀膜样品



Matte Black 哑光黑



Mirror Black 镜面黑



New Colors 新颜色



Automotive Door Handle 门把手

PAPVD

Description	RT1600-PAPVD	RT1600-LTAVD
Deposition Chamber	φ1600 * H1600mm	φ1600 * H1600mm
Load Diameter(Max.)	10*φ300mm 16*φ200mm	6*φ420mm + 8*φ350mm
Load Height(Effective)	1200mm	1200mm
Deposition Sources	Deposition Sources 14 arc cathodes + 1 set planar sputtering cathode	14 arc cathodes
Pulsed Bias Power	Max. 30KW	Max. 30KW
Footprint (L*W*H)	6500*6000*4300mm	6500*6000*4300mm
Power Consumption	Max. 70KW Average:40KW	Max. 70KW Average:40KW
Operation & Control System	CE standard Mitsubishi PLC+ Touch Screen Operation Program with backup	

These configurations are the standard. For a specific developing market and new special coatings, customized configurations and modifications are available on request.

LTAVD

描述	RT1600-PAPVD	RT1600-LTAVD
镀膜腔体	φ1600 * H1600mm	φ1600 * H1600mm
工件最大有效旋转直径	10*φ300mm 16*φ200mm	6*φ420mm + 8*φ350mm
工件有效装载高度	1200mm	1200mm
膜沉积源	4 套弧 + 1支平面磁控溅射阴极	14 套弧
偏压电源	最大 30KW	最大30KW
占地面积 (L*W*H)	6500*6000*4300mm	6500*6000*4300mm
电量消耗	最大70KW 平均40KW	最大70KW 平均40KW
操控系统	CE标准 三菱 PLC+ 触摸屏 操作程序备份件	

以上列表为设备标准配置，针对特殊的应用领域需要开发新的涂层，可根据所需工艺要求提供定制设备。