

真空镀膜解决方案专家
Vacuum coating solution expert



JASOC1550

全自动光学
薄膜镀膜机

Optical Thin Film Coater



主要特性

Characteristics

- 1 双油扩散泵和低温冷凝器组合及全自动排气系统，实现排气高效化
- 2 霍尔离子源或射频离子源进行离子辅助镀膜，极大改善薄膜的特性和质量
- 3 高稳定、高可靠性的电子枪用于蒸镀工艺；
- 4 阻蒸(多点可选)
- 5 石英水晶片控制器用于控制蒸镀速率，大大提高监控精度和可靠性，减少误判
- 6 可有效放置230片以上眼镜片(Ø75mm)
- 7 薄膜厚度监控和蒸镀工艺完全由计算机自动控制

- 1 Two diffusion pumps combining with a Cryo-trap affords a very high efficient exhaust system
- 2 Holzer ion source or RF ion source and ion assisted coating, greatly improve the thin film properties and quality
- 3 A high stable and reliable EB evaporation source
- 4 One RH source (Multiple RH sources are optional)
- 5 Six sensor crystal thin film deposition controller monitors both thickness and deposition rate of the process
- 6 More than 230PCS of Ø75mm substrates in one batch
- 7 Automatic coating process controlling system through the build-in SCS(Smart Coating System)software



规格

Specifications

型号

Model JASOC1550

真空腔体/Vacuum Chamber

SS400+Ni, Ø1550mm×1550mm(H)

工件盘尺寸/Dome Size

Ø1450mm

工件盘旋转速度/Dome Rotation Speed

10rpm-30rpm(可调/Adjustable)

水晶膜厚计/Crystal Thin Film Thickness Monitoring System

XTC/3+六点旋转式水晶探头
XTC/3+6 Rotary Crystal Sensors

蒸发源/Evaporation Sources

电子枪1式；抵抗加热阻蒸(多点可选)/1EB Source;
1 RH Sources(Multiple RH Sources Optional)

离子源/Ion Source

霍尔离子源/Hall Ion Source

排气系统/Exhaust System

机械泵+罗茨泵+2个22英寸扩散泵+低温捕集泵/Rotary
+Booster Pumps,2-22" Diffusion Pumps,Cryo Trap



性能

Performance

到达压力/Ultimate Pressure

≤7.0×10⁻⁵Pa

恢复真空/Pump Down Time(1.3×10⁻³Pa)

≤20min

基板设定温度/Substrate Temperature

≤150°C



安装要求

Utility

设备尺寸/Layout Dimensions

6500mm(W)×4500mm(D)×3100mm(H)

所需电力/Power Supply

≈75KVA

所需冷却水流量/Cooling Water Flow

≥120L/min

所需空气压力/Air Pressure

≥0.5MPa

总重量/Gross Weight

≈7000KG

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No 306, Jin Shan Er Road, Liang Xi District, WuXi



主要特性

Characteristics

- 1 双油扩散泵和低温冷凝器组合及全自动排气系统, 实现排气高效化
- 2 霍尔离子源或射频离子源进行离子辅助镀膜, 极大改善薄膜的特性和质量
- 3 高稳定、高可靠性的电子枪用于蒸镀工艺
- 4 阻蒸(多点可选)
- 5 石英水晶片控制器用于控制蒸镀速率, 大大提高监控精度和可靠性, 减少误判
- 6 薄膜厚度监控和蒸镀工艺完全由计算机自动控制

- 1 Two diffusion pumps combining with a Cryo-trap affords a very high efficient exhaust system
- 2 Holzer ion source or RF ion source and ion assisted coating, greatly improve the thin film properties and quality
- 3 A high stable and reliable EB evaporation source
- 4 One RH source (Multiple RH sources are optional)
- 5 Six sensor crystal thin film deposition controller monitors both thickness and deposition rate of the process
- 6 Automatic coating process controlling system through the build-in SCS(Smart Coating System)software



规格

Specifications

型号

Model JASOC1350

真空腔体/Vacuum Chamber

SUS304制, Ø1350mm×1450mm(H)

工件盘尺寸/Dome Size

Ø1200mm

工件盘旋转速度/Dome Rotation Speed

10rpm-50rpm(可调/Adjustable)

光学膜厚监控/Optical Thin Film Thickness Monitoring System

反射式/Reflection Mode

波长范围/Wavelength Range:350nm to 1100nm

透射式直接监控/Transmission Mode in situ

波长范围/Wavelength Range:400nm to 1700nm

水晶膜厚计/Crystal Thin Film Thickness Monitoring System

XTC/3+六点旋转式水晶探头

XTC/3+6 Rotary Crystal Sensors

蒸发源/Evaporation Sources

电子枪2式; 抵抗加热阻蒸(多点可选)/2EB Source;

1 RH Sources(Multiple RH Sources Optional)

离子源/Ion Source

霍尔离子源或射频离子源/Hall Ion Source or RF Ion source

排气系统/Exhaust System

机械泵+罗茨泵+2个22英寸扩散泵+低温捕集泵

Rotary+Booster Pumps,2-22" Diffusion Pumps,Cyro Trap



性能

Performance

到达压力/Ultimate Pressure

≦7.0×10⁻⁵Pa

恢复真空/Pump Down Time(1.3×10⁻³Pa)

≦20min

基板设定温度/Substrate Temperature

≦350℃



安装要求

Utility

设备尺寸/Layout Dimensions

6000mm(W)×6500mm(D)×3000mm(H)

所需电力/Power Supply

≈75KVA

所需冷却水流量/Cooling Water Flow

≧120L/min

所需空气压力/Air Pressure

≧0.5MPa

总重量/Gross Weight

≈7000KG

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主要特性

Characteristics

- 1 系统采用了低温冷凝泵及全自动排气系统，达到了排气高效化和节能环保
- 2 高稳定、高可靠性的270度偏转电子枪用于蒸镀工艺
- 3 大容量六点式旋转电阻蒸发源
- 4 使用可见或红外光学膜厚监控系统对蒸镀工艺进行监控
- 5 六点水晶膜厚监控器用于控制蒸镀速率，显著提高监控精度和可靠性，减少误判
- 6 薄膜厚度监控和蒸镀工艺完全由计算机自动控制

- 1 High efficiency and environment-friendly automatic exhaust system with Cryo-pump;
- 2 High stability of 270 degree deflection electron beam source;
- 3 Large capacity six point rotary RH sources;
- 4 Optical thin film thickness monitoring system (800-2500nm);
- 5 Six sensor crystal thin film thickness and deposition rate monitoring system;
- 6 Automatic coating process controlling system through the build-in SCS(Smart Coating System)software.



规格

Specifications

型号

Model JASOC900

真空腔体/Vacuum Chamber

SUS304,Ø900mm×1201mm (H)

工件盘尺寸/Dome Size

Ø790mm

工件盘旋转速度/Dome Rotation Speed

10rpm-50rpm(可调/Adjustable)

光学膜厚监控/Optical Thin Film Thickness Monitoring System

波长范围/Wavelength Range:800nm to 2500nm
反射式/Reflection Mode

水晶膜厚计/Crystal Thin Film Thickness Monitoring System

XTC/3+六点旋转式水晶探头
XTC/3+6 Rotary Crystal Sensors

蒸发源/Evaporation Sources

电子枪1式；六点旋转式阻蒸
Eb Source;6-Points Rotary RH Sources

离子源/Ion Source

霍尔离子源/Hall Ion Source

排气系统/Exhaust System

机械泵+低温泵/Roughing Pump+Cryo Pump



性能

Performance

到达压力/Ultimate Pressure

$\leq 7.0 \times 10^{-5} \text{Pa}$

恢复真空/Pump Down Time($1.3 \times 10^{-3} \text{Pa}$)

$\leq 20 \text{min}$

基板设定温度/Substrate Temperature

$\leq 350^\circ\text{C}$



安装要求

Utility

设备尺寸/Layout Dimensions

5700(W)×5800mm(D)×3200mm(H)

所需电力/Power Supply

≈70KVA

所需冷却水流量/Cooling Water Flow

≥80L/min

所需空气压力/Air Pressure

≥0.5MPa

总重量/Gross Weight

≈5000KG

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