



# **Specification**

Chamber

Cylindrical or Rectangular Type Chamber

Material: SUS 304

Single or Two (Multi) Chamber Type

Chamber internal shield cover (Easy exchange & easy cleaning type)

Easy sample loading type



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# Vacuum pump

Turbo pump or Cryo pump (Optional)

Rotary pump (Optional: Dry scroll or Dry pump)

High Vacuum valve : Gate or Angle type (Optional)

#### Substrate



Sample Size : Piece ~ 2", 4", 6" (Optional)

Shadow Mask (Customer define)

Rotation speed: 0 ~ 30 R.P.M

Heating temperature: Normal 300°C

(High temperature : Optional (Up to 800°C)

Substrate Shutter

# Thermal Source (Boat or Crucible)



Power Supply: A.C or D.C Power

For Metal or Organic process

Thermal Source : 1 ~ 3 ea (Optional : Up to 6 ea)

Thermal Boat

For Al -→ PBN Boat (No broken, no reaction to Al)

For Organic -→ Crucible Heater & Crucible

Between Boat Isolation Shield Cover

Source Shutter

# Thermal Source (Effusion cell)



Power Supply: D.C Power

For Metal or Organic process

Effusion Source: 1~6 ea (Optional)

Crucible liner (Graphite, Al2O3, PBN)

Between cell Isolation Shield Cover

Source Shutter



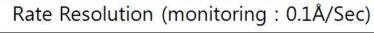


## Thickness Monitor

Thickness deposition Monitor

(Optional : Deposition rate controller (Rate control type)

Single sensor or Dual sensor (Optional; 6 sensor)



Thickness sensor installation kit: 1 set

Co-deposition available (Optional)

(Metal + Metal, Metal + Organic, Organic + Organic)



## Feature & Advantage

### Low cost & Compact type (Small foot-print)

(Glove box inside & outside)

## Fast process & High throughput time

About 30minute for one batch process.

(Include sample loading, pumping, deposition time)

### High speed vacuum pumping time

(About 5 minute for reach 5 x 10-6Torr after sample loading)

#### Convenient to use

Easy Boat replace, Source Refill, Easy Sample loading/ Unloading Easy maintenance

### Continuously to use Al deposition without boat replace

## Safety

Electrical, Utility (Water, Air, etc)

Vacuum pump, Valve, Power , etc Safety interlock



#### Remark

Chamber Ultimate Pressure (One Chamber type)

; Below than 2 x 10<sup>-7</sup>Torr

Chamber Ultimate Pressure (Two Chamber type)

; Below than 10-8Torr

Pumping speed (One Chamber type): Below than 5 x 10<sup>-6</sup> Torr

; Below than 3 x  $10^{-6}$  Torr (Within 30 minute after sample loading)

Pumping speed (Two Chamber type)

; Below than 3 x  $10^{-6}$  Torr (Within 10 minute after sample loading)

Film deposition Uniformity : Below than ±5%

Provides operating & maintenance manual

**Training** 

Warranty: 1 Year (Exclude consumables parts)