



Unknown planet in solar system

Now, we reveal the mystery

NT-Planet

Sputtering System

NTP-softGrow400-T

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Layout #1 – Open type front view

Width : 1100mm





Special features

- Metal deposition
- High-K material deposition
- Low-K material deposition
- Reactive sputtering
- Easy system control
- 4" target
- DC power : 1kW
- RF power : 600W
- Heating : 200~300°C, option



Performance

Item	Description
Target size	4inch
Vacuum	Normal : 8×10^{-6} Torr Ultimate : 5×10^{-7} Torr
Heating	option
Gas	Inert : Ar Reactive : N ₂ Reduction : H ₂
Control	PLC based touch screen



Specifications #1

Item	Description
Chamber body	Body material : SUS304 Inner size : 600mm x 600mm Inner height : 700mm Insight design of frame MFCs gas valves and piping vacuum sensor electric parts

Specifications #2

Item	Description
Vacuum	Oil rotary pump (800l/min) TMP (1,100l/sec) Low vacuum sensor and high vacuum sensor Maker : AtoVac GVC2200 Pneumatic roughing valve KF40, single stage Pneumatic main valve Throttle valve 1Torr capacitor manometer



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Specifications #3

Item8	Description
Gas	MFC Maker : AtoVac Ar : 100sccm N ₂ : 100sccm H ₂ : 100sccm Control power : DC24V Controller : GMC1200-4ch
Control	Default : PLC based touch control Option #1 : PC control Option #2 : fully manual

Specifications #4

Item	Description
Setup area	2000(D)x2000(W)x2500(H) (mm ³)
Electrical	220V, 3phase, 10kW
Compressed air	2.5~5kgf/cm ²
Water	1.5~2kgf/cm ²