

NANO 36™

Glovebox Compatible, Sputtering or Thermal Evaporation Thin Film Deposition System



Kurt J. Lesker
Company

PROCESS EQUIPMENT™
DIVISION

Applications

- Designed for university, industrial, and government lab R&D thin film deposition
- OLED organic electronics applications
- OPV device fabrication

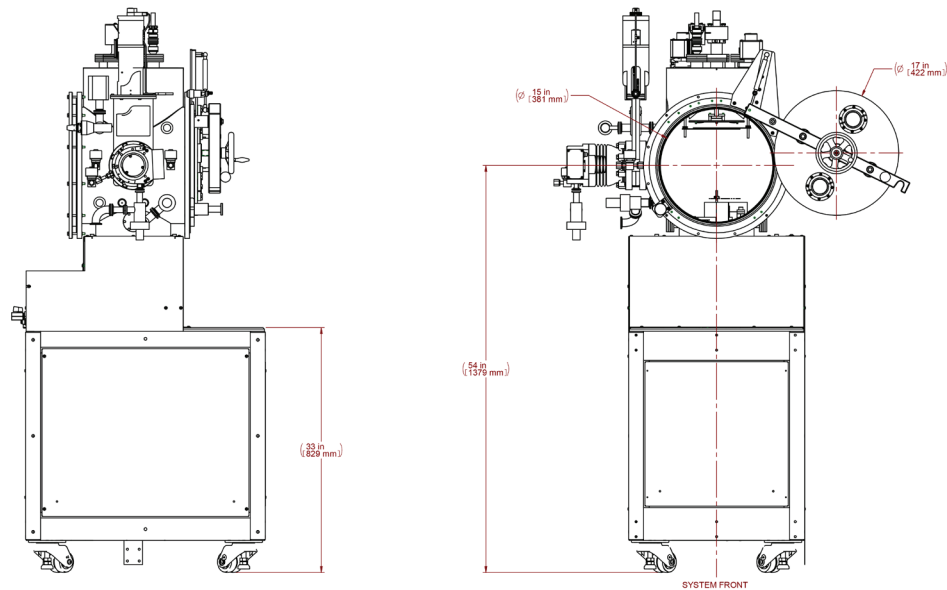
Process Modules

- Low Temperature Evaporation Sources
- Thermal evaporation
- Magnetron sputtering: RF and DC

Options

- Film thickness control
- Various substrate fixtures
- Substrate heating, cooling
- Upstream or downstream pressure control
- On-site installation and training
- Glovebox integration

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Dimensions Approximate

Specifications

Process Chamber Volume	58 liters
Process Chamber Geometry	Horizontally Oriented, Cylindrical 304L Stainless Steel Chamber Body: 15.13" Diameter x 16.25" Overall Length (OAL).
Process Chamber Construction	304L Stainless Steel with 6061 Aluminum. Pendulum Door Assembly
Cabinet Construction	Carbon Steel, Fully Enclosed Instrument Rack, Open Chamber Area, Gray Powder Coat Finish
Deposition Sources	Up to (3) 2" or 3" Torus [®] Magnetron Sputtering Cathodes
	Up to (4) 2" Thermal Evaporation Sources
	Up to (4) LTE Organic Material Evaporation Sources
	Combination Baseplate of (2) 2" Thermal & (2) LTE Sources
Deposition Orientation	Sputter Up, Evaporation Up
Substrate Size (max)	100mm x 100mm, 150mm Dia
Substrate Heating	Up to 800°C, with a 1" Static Platen; Up to 350°C, Rotating 100mm x 100mm or 150mm Diameter Platen
Standard Vacuum Pumping	260 l/sec Turbo Pump
Gauging	Wide Range Vacuum Gauge
Process Gas	Up to 2 Fujikin FCST1000F Mass Flow Controllers
System Control	PC-Based HMI, with Optional Recipe Control and Datalogging
Required Power (typical, based on options)	208VAC, Single Phase, 50/60 Hz; Optional 380VAC, Single Phase, 50/60 Hz
Available Certifications, Markings	Systems within the European Economic Area (EEA) are CE marked and comply with the following EU directives: Low Voltage Directive (LVD) 2014/35/EU / Electromagnetic Compatibility (EMC) Directive 2014/30/EU : CSA and NRTL
Warranty	12 Months upon Shipment
Overall Dimensions (approx)	Door Closed: 34" (864mm) wide x 32" (813mm) deep x 75" (1911mm) high Door Open: 48" (1207mm) wide x 32" (813mm) deep x 75" (1911mm) high
Weight (approx)	650 lbs (295 kg)

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