Optical Coating Systems




NANO-MASTER, Inc.
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NANO-MASTER Optical Coating Systems

NOC-4000 Dual Chamber Optical Coating System

The NANO-MASTER NOC-4000 Optical Coating System provides state of the art atomic cleaning and polishing of optical samples in one chamber and automated sample transfer to a second chamber for optical coating without breaking vacuum. The system can also use the chamber sindependently, each with its own automatic sample loading and unloading.

Applications

- Optical Coatings
  - Sputtering
  - IBAD
- Ion Beam Etching Cleaning
- Ion Beam Assisted Reactive Etching
- Infrared Coatings
- Surface Treatment

Features

- RF Biasable Platen
- Thickness Monitor
- 5 10^{-7} Torr Base Pressure
- High Accuracy and Repeatability
- High Quality Films
- Atomic Level Clean Surfaces
- Atomic Cleaning and Polishing
- PC Controlled with LabVIEW
- Automatic Load/Unload
- Automatic Transfer Between Chambers
- Recipe Driven, Password Protected
- Safety Interlocks
- 46”D x 44”W Footprint

Options

- Sputter Down/Up
- Co-Sputtering
- DC, RF and Pulsed Power Supplies
- Ion Beam Assisted Deposition
- E-Beam Sources
- Plasma Sources

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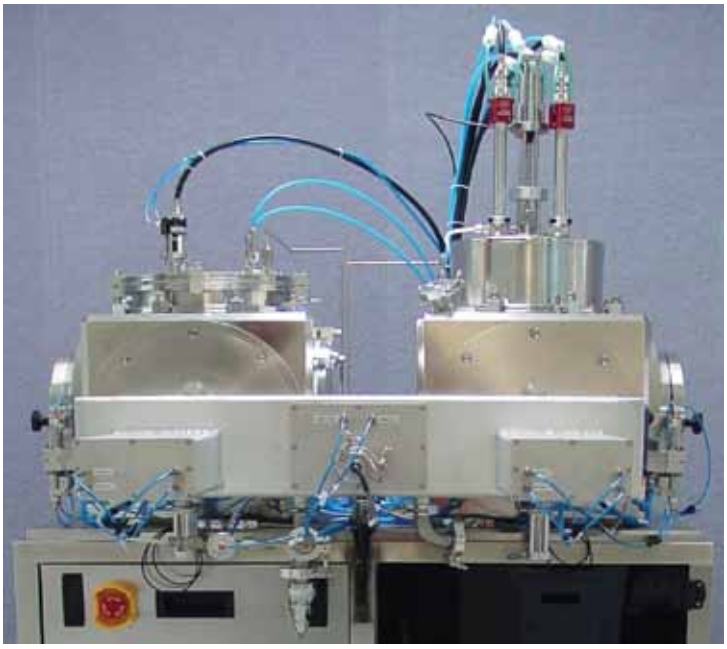
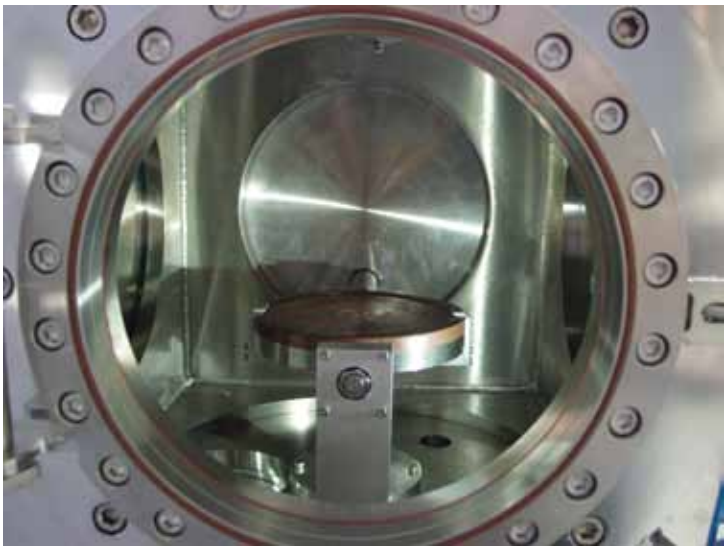


Load Lock and Automatic Transfer Between Chambers w/o Exposure to Atmosphere



Ion Beam Cleaning Chamber with Tilted Platen

Sputtering Chamber with Rotating, Heated and Biasable Platen

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