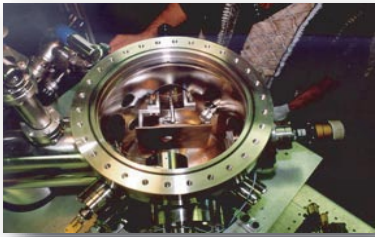
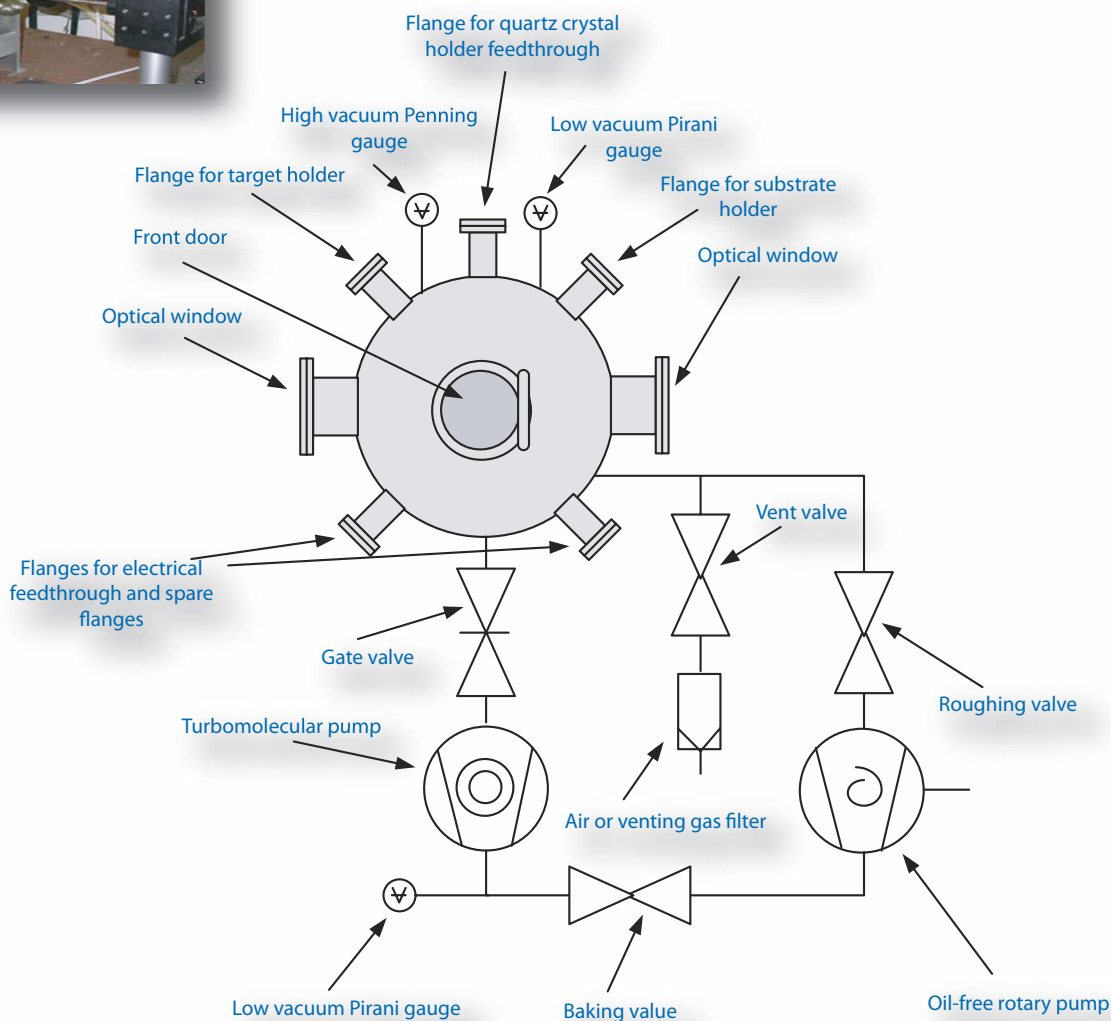


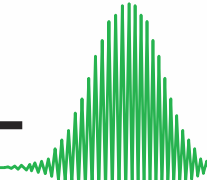
High-Vacuum System for Laser Deposition



- UHV vacuum chamber:** Dia. 12" , with 18 ports, blank flanges, bolts/nuts, gaskets
- UHV gate valve:** 8", pneumo, with position indicator, roughing port, bolts/nuts, gaskets
- Turbomolecular pump:** 8" 560l/s with vent valve and power supply
- Oil-free mechanical pump:** 35m³/h
- 3 UHV:** valves pneumo, with position indicator
- Vacuum controller:** with 1 Penning gauge, 2 Pirani gauges, cables, and 2 spare gauges
- Quartz crystal monitor:** with one shuttered sensor, UHV feed through, sensors kit
- Pumping controller**
- UHV quick access door 8" with view port**
- UHV silica view ports 6" (uncoated)**
- Moveable (rotating, tilting) target and substrate holders**
- General controller (water, compressed air, power distribution, etc.)**



1. Vacuum chamber made of polished stainless steel
2. All components are UHV and can be baked to 200 °C
3. Expected ultimate vacuum 10⁻⁷ - 10⁻⁸ torr

DEL  **MAR PHOTONICS**

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