

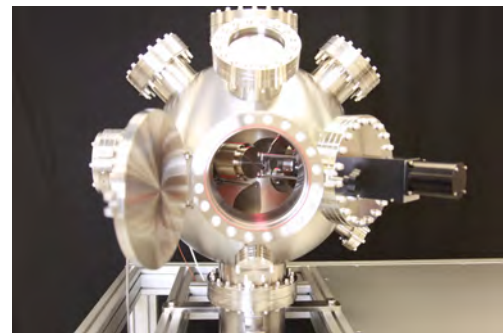
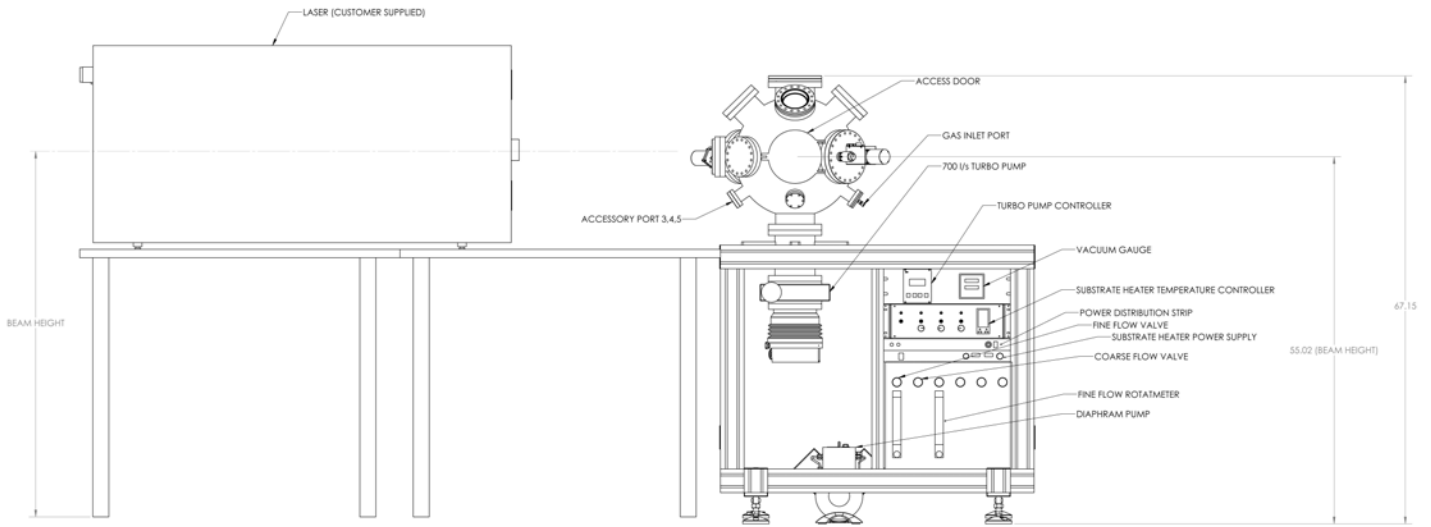
## micro PLD

NBM Design is pleased to offer the microPLD system. The microPLD is the perfect starter PLD system for the user on a limited budget wanting to start utilizing the PLD technique. It fits neatly into small lab spaces, and is built to be moved quickly and easily, allowing flexible installations to become reality.

**Target Manipulator:** The microPLD comes standard with a six-target manipulator. Each target can hold a 1" diameter x.25" target. Our unique target-repositioning system allows the target to be removed from the manipulator, re-surfaced, and put back without having to realign the laser beam spot.

**Substrate Heater:** The NBM Design rotating substrate heater is the industry leader in providing stable temperatures up to 1200 °C. The mechanical setup is designed for use within the complete temperature regime, and will not degrade in performance as temperature increases.

**Chamber:** Our chamber design allows access to the targets, substrates, and interior geometry without needing to remove any flanges.



### Specifications:

Chamber Pumps: 700 l/s turbo backed by oil-free roughing pump  
 Chamber Base Pressure:  $<5 \times 10^{-7}$  Torr

Pressure Control: Needle valves combined with turbo speed control

Substrate Size: Up to 2" diameter

Substrate Maximum Temperature: 1200°C

Substrate Temperature Control: Closed loop PID temperature controller with PC control

Target Size: Up to  $\varnothing 1$ " x .25" thick or  $\varnothing 2$ " x .25" thick