



# Pulsed Laser / Sputter / RHEED Combo Tool

Model PLS-1000

**Features:**

**Multi-target manipulator**

- Three "return-position" target holders
- Motorized target select and rotation axis - manual or computer controlled

**Rotating heater**

- 1200°C maximum temperature
- Rotation provided for uniform temperature distribution
- Many substrate sizes can be accommodated
- X-Y-Z adjustment option

**High-pressure RHEED system**

- 30 or 35 keV electron gun
- Mounted in horizontal position for ease of operation
- Camera with shutter
- Full pumping stack and gauge

**(2) 2" Diameter sputter guns**

- RF Power supplies
- Pneumatic Shutters

**QCM Assembly**

Throttle valve / capacitance manometer for precise pressure control

Mass flow controller integrated into gas manifold with three MFC's

Load-lock for transferring targets and substrates without breaking main-vacuum

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