



PVD Products

Gen II PLD Coated-Conductor Deposition System



PVD Products Gen II PLD Coated Conductor Tool

PVD Products provides a wide variety of PLD coated-conductor deposition systems for your specific applications. These include the following:

1. PLD Deposition systems for REBCO and buffer layers
2. Multi-Pass Systems
3. Black Body Substrate heater
4. Closed-loop tension and speed control
5. Multi-plume capability
6. Multi-Zone Heater

Closed-loop pressure and temperature control. Single or multiple targets:

7. Multi-Pass Systems
8. Black Body Substrate heater
9. Closed-loop tension and speed control
10. Multi-plume capability
11. Multi-Zone Heater

Systems are all provided complete with 300 or 600 Watt lasers, with full optical train and laser scanning.





PLD Produces Highest Quality YBCO CC Films



Rear View of a Gen II PLD tool with Coherent 300 Watt Excimer Laser

- Tape speed variable from 50 to 300 m/hour
- Turbo pumped system
- Full computer control via Lab View™ Software
- Full data logging of all relevant parameters
- Can deposit ReBCO compounds, CeO₂, LaMnO₃ and other buffer layers onto Hasteloy tapes 1 cm, 1.2 cm wide and from 50 microns to 100 microns thick.
- Unique XYΘ Target Manipulator with single 300 mm diameter target or multiple smaller targets.
- Largest Intelligent Window Available
- In-situ energy monitor
- Can be customized for your specific needs.
- Programmable multi-plume capability.

CONTACT PVD PRODUCTS FOR YOUR SPECIFIC NEEDS.



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