

Neocera EX-125

A new Excimer Laser for Pulsed Laser Deposition



Neocera, a market leader in Pulsed Laser Deposition and Pulsed Electron Deposition, introduces Neocera EX-125, a new excimer laser for PLD applications.

- Maximum pulse energy : 125 mJ @248 nm
- Maximum repetition rate : 60Hz
- Maximum average power : 6W
- Beam divergence : 0.8 x 1.6 mRad
- Pulse width : 16-22 ns
- Static gas life time : 60-90 days
(to 50% energy)

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High-performance in a compact package

Neocera EX-125 is an all metal-ceramic cavity construction and does not use elastomers as gas sealants. This translates to an unsurpassed gas life time and pulse-to pulse stability over long periods of PLD operation. Coupled with Corona pre-ionization, long life and high stability operation is provided in a compact package (L x W x H: 120 x 44 x 30 cm, 65Kgs (145 lbs)).



Complete PLD solutions

Neocera EX-125 is integrated with Neocera's Pioneer 120 and Pioneer 180 series of PLD systems, providing a complete solution for your PLD-based materials R&D. Complete turnkey PLD laboratories or basic stand-alone PLD systems are available.

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