

Discover Precision

Backed by many years of experience in laser material processing, ROFIN offers you end-pumped laser sources with excellent beam characteristics. The diode-pumped solid-state lasers with a compact laser head integrate easily and require minimum maintenance. Supply and cooling modules are housed in standard 19" modules which can be integrated in a cabinet. To support direct integration even further, compact cooling plates for the PowerLine SL series are available as options. In order to perfectly meet specific application requirements, the laser beam sources are available in different power ranges and wavelengths of 1064, 532 and 355 nm. Specially designed scribes for photovoltaic applications ensure excellent pulse-to-pulse stability at high frequency ranges. The laser beam sources operate in TEM₀₀ mode and offer high beam quality as well as good beam roundness for a most accurate removal profile.

ROFIN's first-class products include adjustable high-accuracy beam splitters, positioning laser, power measurement and pluggable connections. Individual, optimum configurations are achieved with numerous options integrated into the laser rail e.g. back reflection absorber, beam attenuator, beam shaping element, beam expander and scanning head.

Product features and benefits:

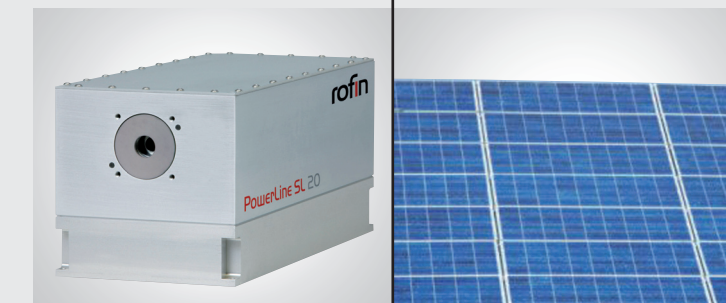
- superior beam quality
- excellent pulse-to-pulse stability, even at high repetition rates
- exceptional long-term stability with temperature management system
- integrated shutter and safety circuit
- optional beam expansion built into the laser head
- compact OEM design
- stable 24/7 operation
- easy to integrate

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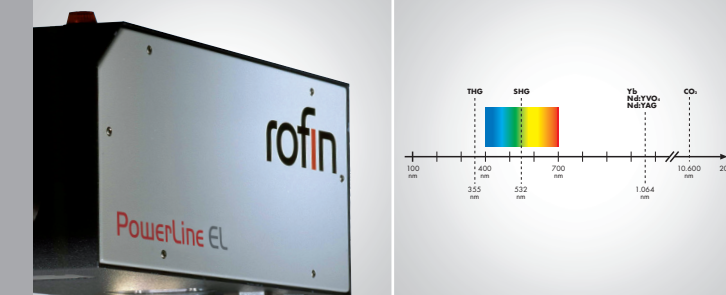
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End-Pumped Laser Beam Sources



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