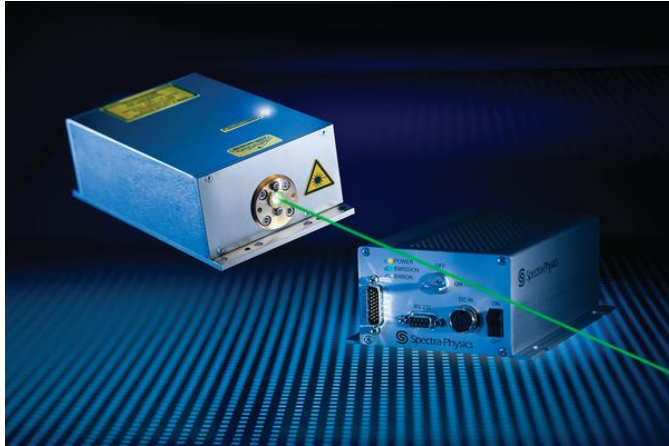


SLA250 Solid State Laser Upgrade



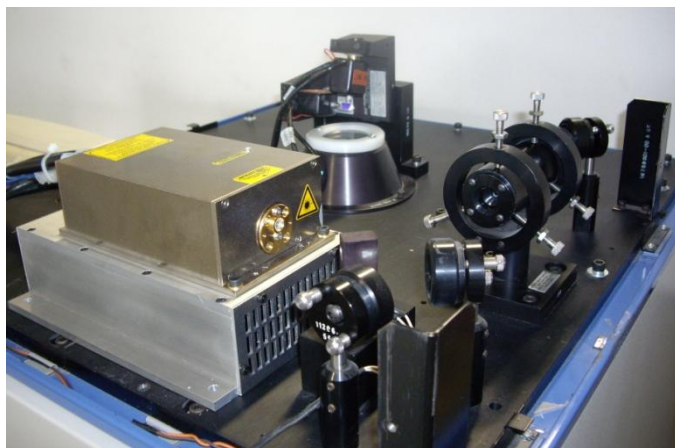
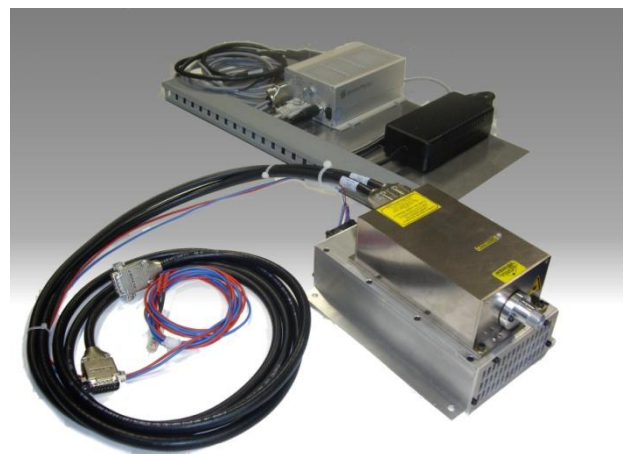
The Explorer laser upgrade is a fully integrated product. It includes electronics to turn the laser off at the end of a build and optical components to correctly focus the beam at the resin surface. The ability to produce up to 300mW enables this laser to be used in a single or a dual machine configuration.

The laser is mounted on an air-cooled heatsink which utilises a thermal closed loop feedback control system to maintain optimal laser beam pointing stability.

The system is pre assembled in two units for ease of installation.

The Explorer is a high performance, compact, reliable, and robust laser platform designed for OEM and Research customers. The Explorer laser series is pumped by a fibre coupled single emitter which – for the first time – is integrated into the laser head for simplified installation and added flexibility. The combination of a small and powerful laser head is a significant advantage for our customers.

With the Explorer, customers can rely on unmatched performance and ease-of-use by working with an intuitive and sophisticated graphical user interface that comes with each laser. The Explorer provides stable and reliable performance while maintaining nearly constant beam parameters and pulse energy, regardless of the ambient temperature.



Founded in 1969, Newport is a pioneering single-source solutions provider of laser and photonics components. Spectra Physics have been producing UV Solid State lasers since 1996. They are used on the SLA3500® SLA5000® and SLA7000® machines (registered trademark of 3D Systems Inc)

