

FLEX I-2000 for Industry

A superb laser solution at 2 μm for clear-to-clear laser welding of polymers



FLEX I-2000

FLEX I-2000, fiber-coupled laser at 2 μm wavelength range, for Clear Welding of polymers.

These lasers are designed for clear-to-clear joints where white or transparent parts are welded together.

- delivers much higher total Wall Plug Efficiency (WPE) values achieving up to 10% at 2 μm to 3 μm .
- offer optical power of 105 W in continuous wave (CW)
- any wavelength available between 2 μm to 3 μm
- laser bar-based modules coupled into different fiber cores
- optional light guides to homogenize the welding spot

Applications

- Clear-to-clear laser welding of polymers
- Laser marking

Wavelength [nm]	2100
Pulse width	50 μs – CW
Power stability	< 1% @ 8 h
Pulse to pulse stability	< 1% rms

