

PLASTIC WELDING LASER SYSTEM

BENEFITS

- Non-contact welding
- Particle-free joining
- Various geometries can be welded through the right choice of process heads
- No mechanical stress and thermal stress in the part
- Strong welding adhesion, laser welded joints achieve base material strength



Various processing heads applicable for multiple welding modes

| | | | | |
|--|------------------------|---------------------|-----------------------------|-----------------------------------|
| | <p>Contour welding</p> | <p>Mask welding</p> | <p>Simultaneous welding</p> | <p>Quasi-simultaneous welding</p> |
|--|------------------------|---------------------|-----------------------------|-----------------------------------|

Applicable to both flat and curved surfaces



Flexible for different combinations of material color

| | |
|--|-------------------------------------|
| | white/white |
| | transparent/transparent |
| | same multi-colour/same multi-colour |
| | multi-colour/multi-colour |
| | multi-colour/black(carbon) |
| | black/black(carbon) |
| | transparent/black(carbon) |



ACTIVATION C/E/S

Key Specifications:

Power Output up to 500W, Wavelength 808/980nm, Air-Cooling/Water-Cooling

Features:

- Turnkey laser system
- Modular design, easy for integration
- Complete control and protection functions
- High reliability and easy operation
- Closed-loop process control
- Multiple control modes for system integration

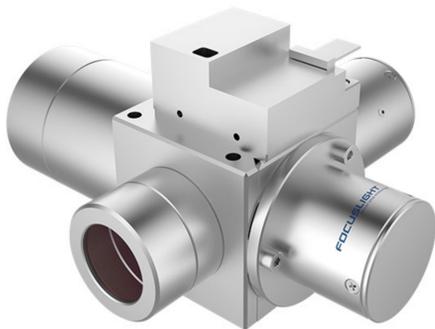
ACTIVATION LASER PROCESS HEADS

Key Specifications:

Max. Laser Power 500W, Wavelength 790-1000nm, Round/Square Beam Spot Available

Features:

- Optimized beam shaping
- Perfect processing tool for welding
- Multiple beam size and additional functions
- Individual software package



APPLICATION CENTER & TECHNICAL SERVICE



- Fast processing and welding feasibility test of samples
- Develop the optimal process window: Power, cycle time, welding method
- Selecting the right laser system for your application
- Support in the design of your products

COMPANY INTRODUCTION

Founded in 2007 and headquartered in Xi'an, China, Focuslight Technologies is a fast-growing company that develops and manufactures high-power diode laser components and materials (photon generation), laser optics (photon control), photonic application modules, assemblies, and sub-systems (photonics application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. In 2017, Focuslight acquired LIMO, one of the leading manufacturers of micro-optics and beam shaping solutions, and a pioneer in groundbreaking photonics production technologies. After the successful IPO at the Shanghai Stock Exchange Star Market (Ticker Symbol: 688167) in December 2021, Focuslight has unified its brand globally in January 2022. Focuslight has over 400 patents worldwide and is ISO 14001, ISO 45001, ISO 9001, and IATF 16949 certified.