

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>
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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)



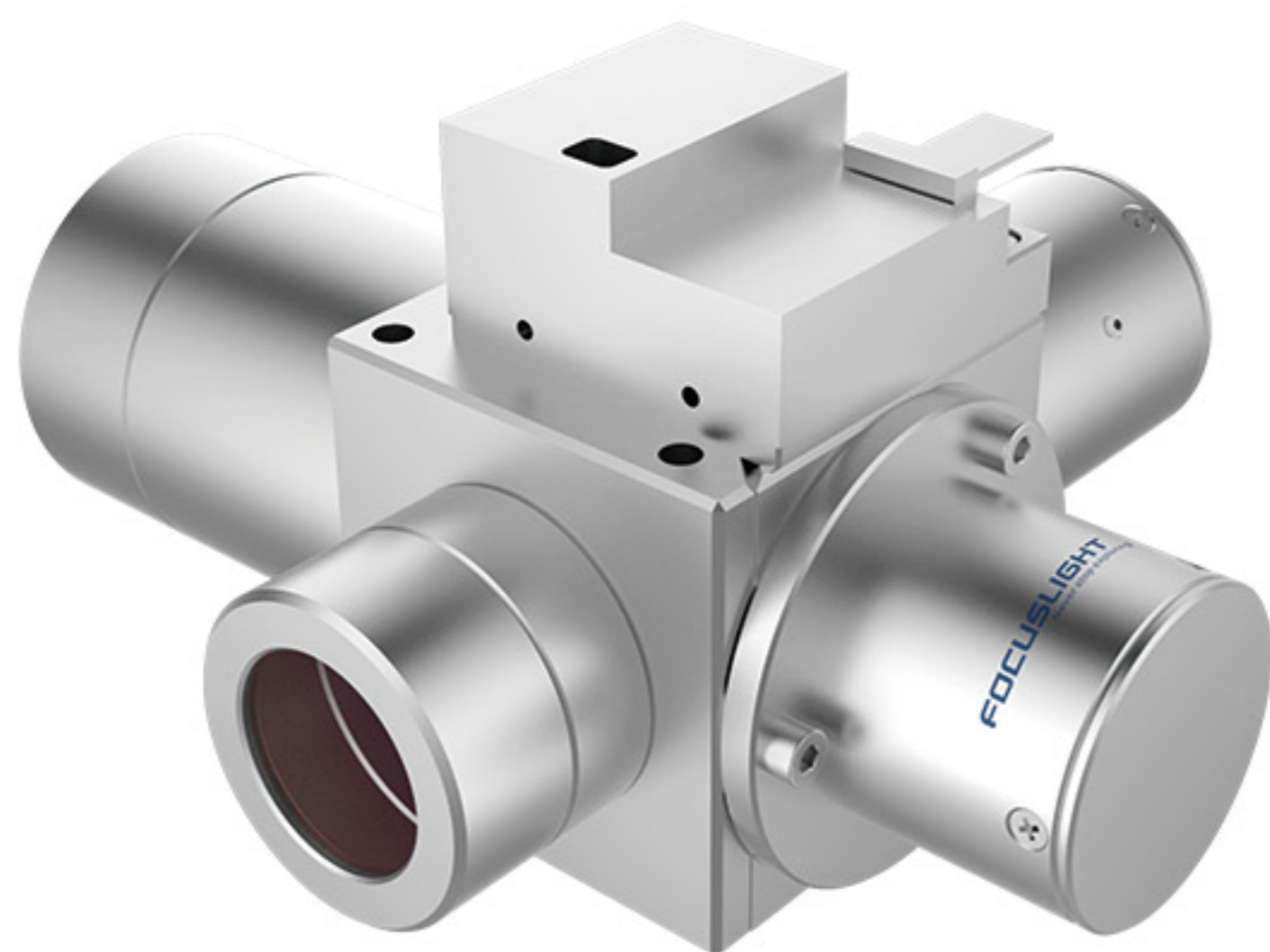
ACTIVATION C/E/S

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 Inc. is a fast-growing public company (Shanghai: 688167) that specializes in developing and manufacturing high-power diode laser components and materials, laser optics, as well as photonics module and system solutions focusing on optical communication, automotive, pan-semiconductor, and medical and health applications. Focuslight has expanded its global footprint through strategic acquisitions including LIMO GmbH in 2017 and SUSS MicroOptics SA in 2024 (now as Focuslight Switzerland SA). With the acquisition of assets from ams OSRAM in 2024, Focuslight extends its business to be a global photonics foundry by providing global photonics industry process development and manufacturing service under the brand of Heptagon.