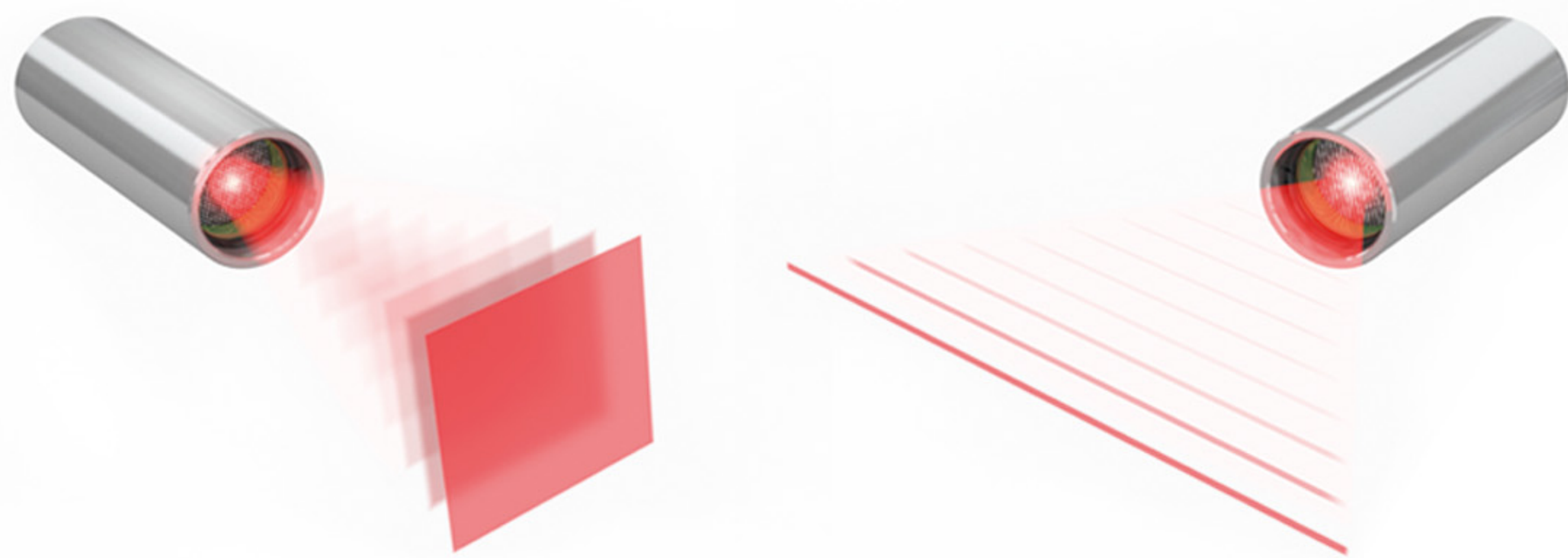
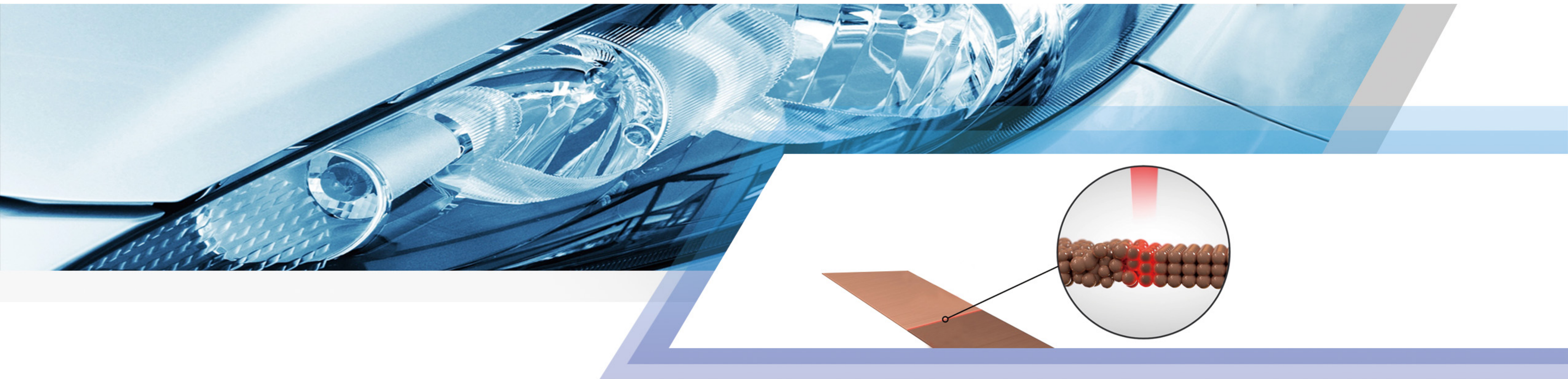
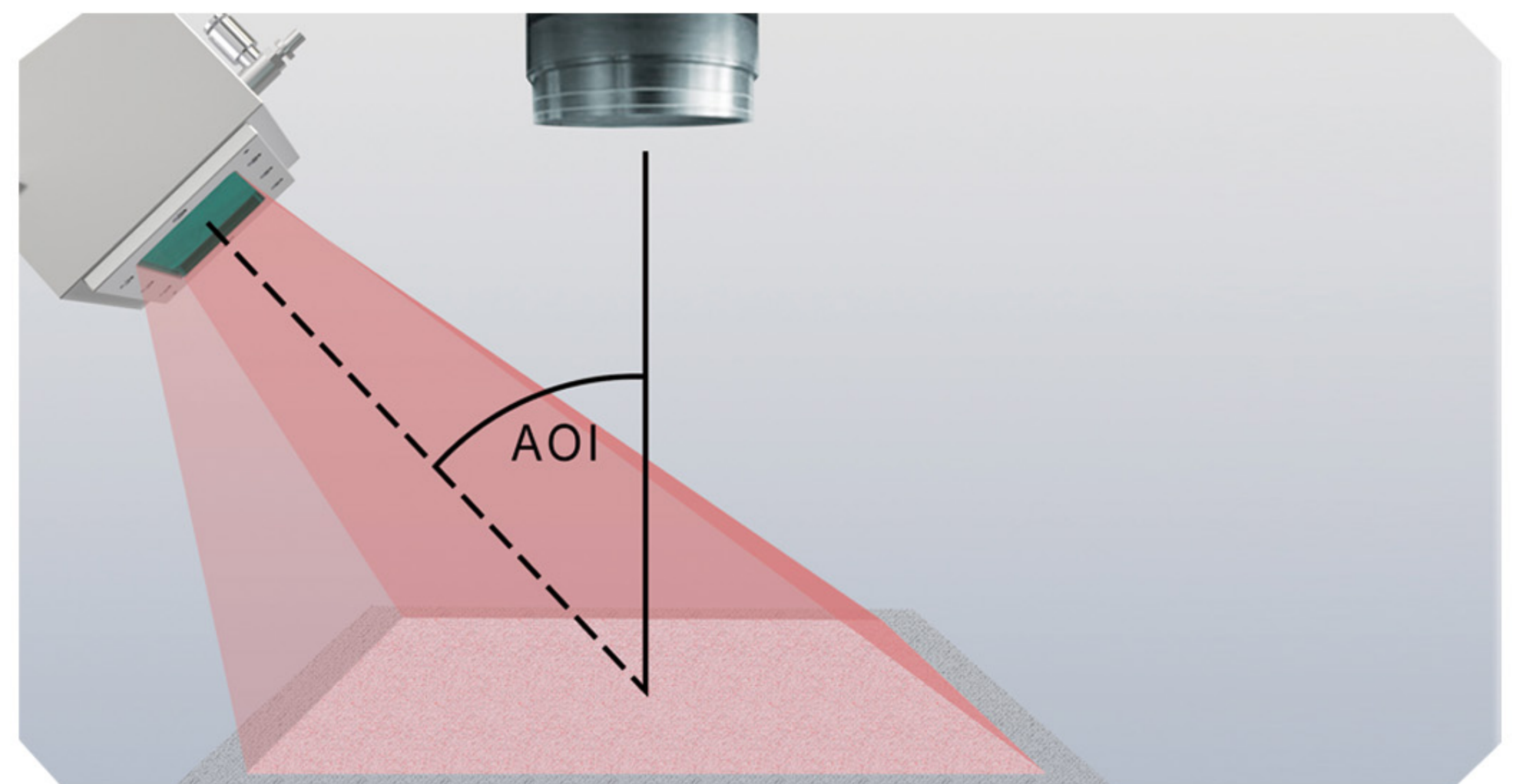


HIGH PRECISION LASER BEAM SHAPING



Compact Beam Shaper (CBS)



Off-Axis Beam Shaper

ADVANCED MATERIAL PROCESSING

- Plastic Welding
- Thin metal film pattern ablation
- Amorphous silicon crystallization
- Tempering

MACHINE VISION

- Quality assurance by photoluminescence

EVERY PHOTON - IN THE RIGHT PLACE, AT THE RIGHT TIME.

Is there a way to control and individually shape laser light so that it can be used as a tool?

YES! With refractive micro-optics and beam shaping solutions.

Focuslight is able to expand the potential of light, allowing it to be harnessed technically and cost-efficiently for individual applications in both industry and research.

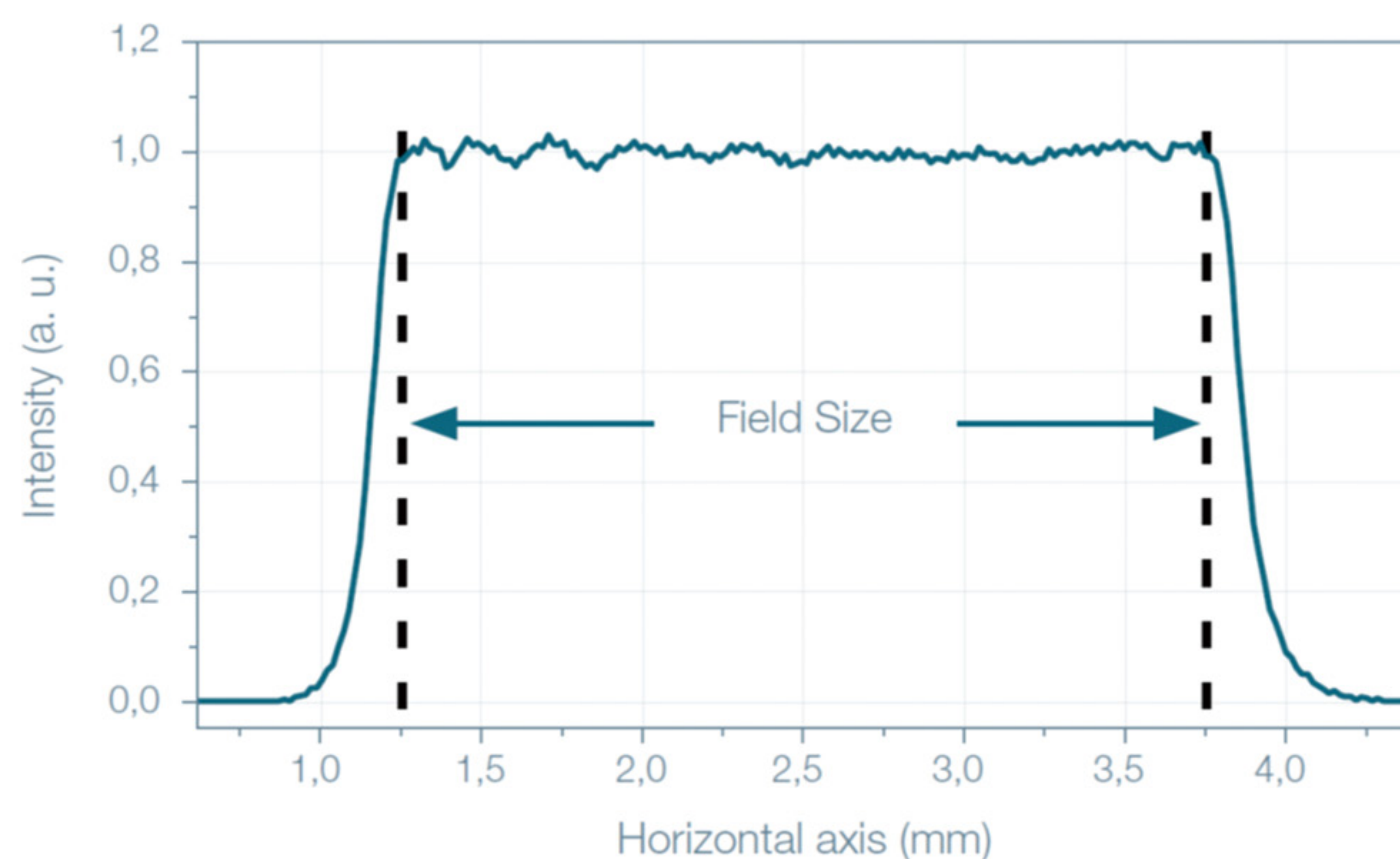
Rectangular, Square and Lines – the Focuslight's beam shaping units can produce many different beam shapes - making it extremely versatile in use. This allows a scaling of the productivity by using the laser in a more efficient way. The beam shaping units are suitable for many different laser sources (from deep UV to IR).

HIGH PRECISION LASER BEAM SHAPING

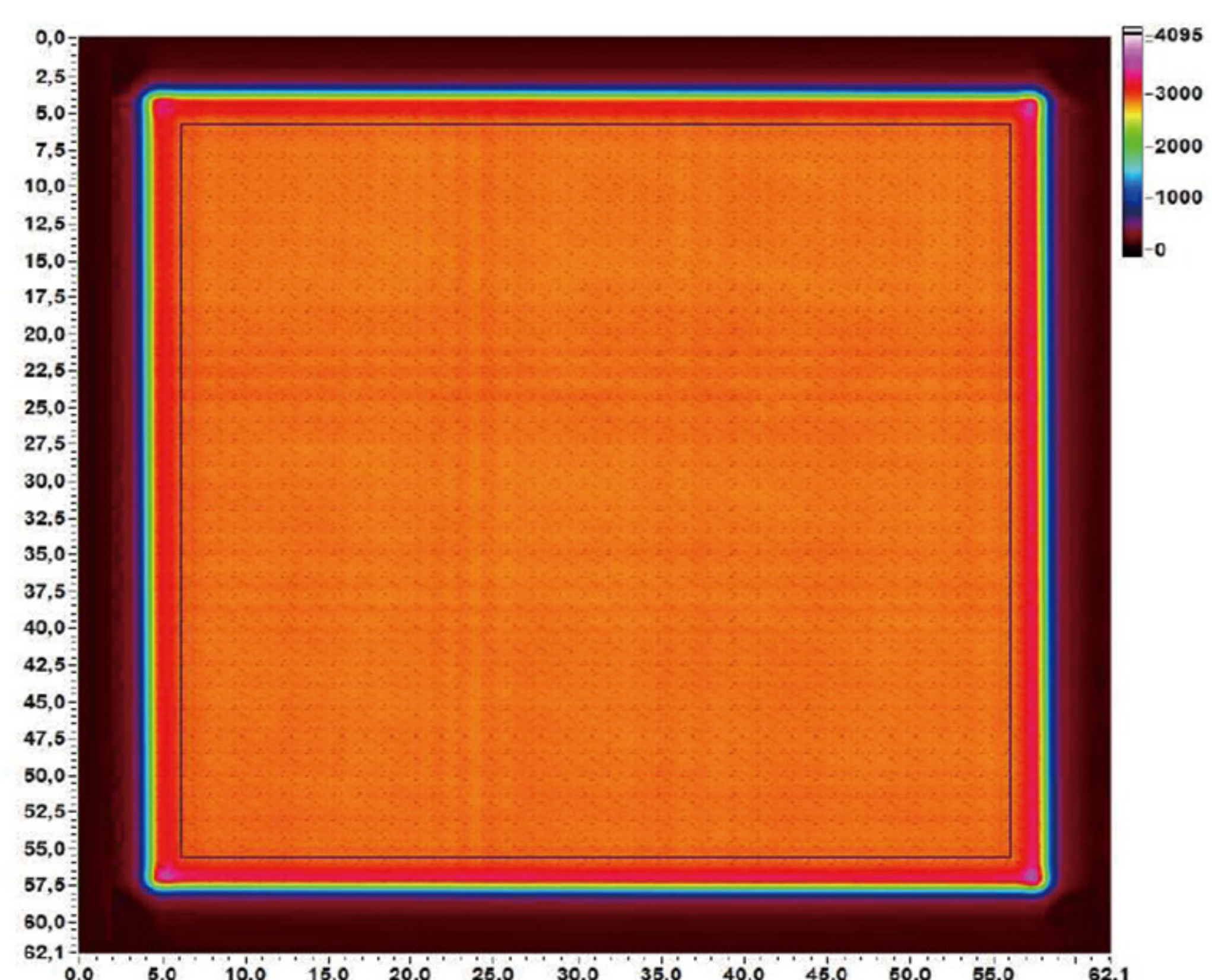
Benefits of Scalable Beam Shaping Modules for High-Power Applications

- Pre-aligned and ready for use in industrial environment
 - Wide range of field geometries
 - Application-specific homogeneity up to the technical limits
 - Optical efficiency up to 90 %
 - Manufactured from high-quality materials, e.g. fused silica, CaF₂
 - Suitable for many different laser sources → excimer laser, solid-state laser, diode laser
- The beam shaping modules combine the advantages of highest optical performance with simple handling and easy integration in production environment.

TYPICAL BEAM PROFILE



Intensity cross-section



Typical intensity profile

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.