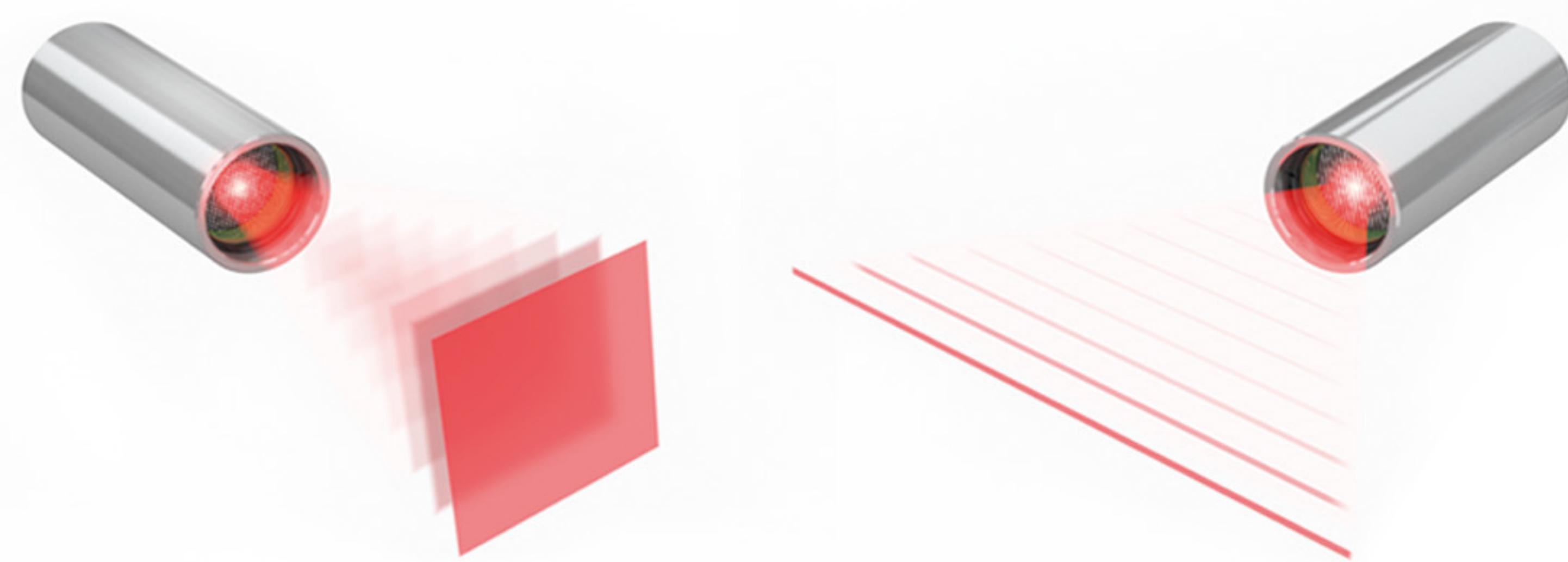
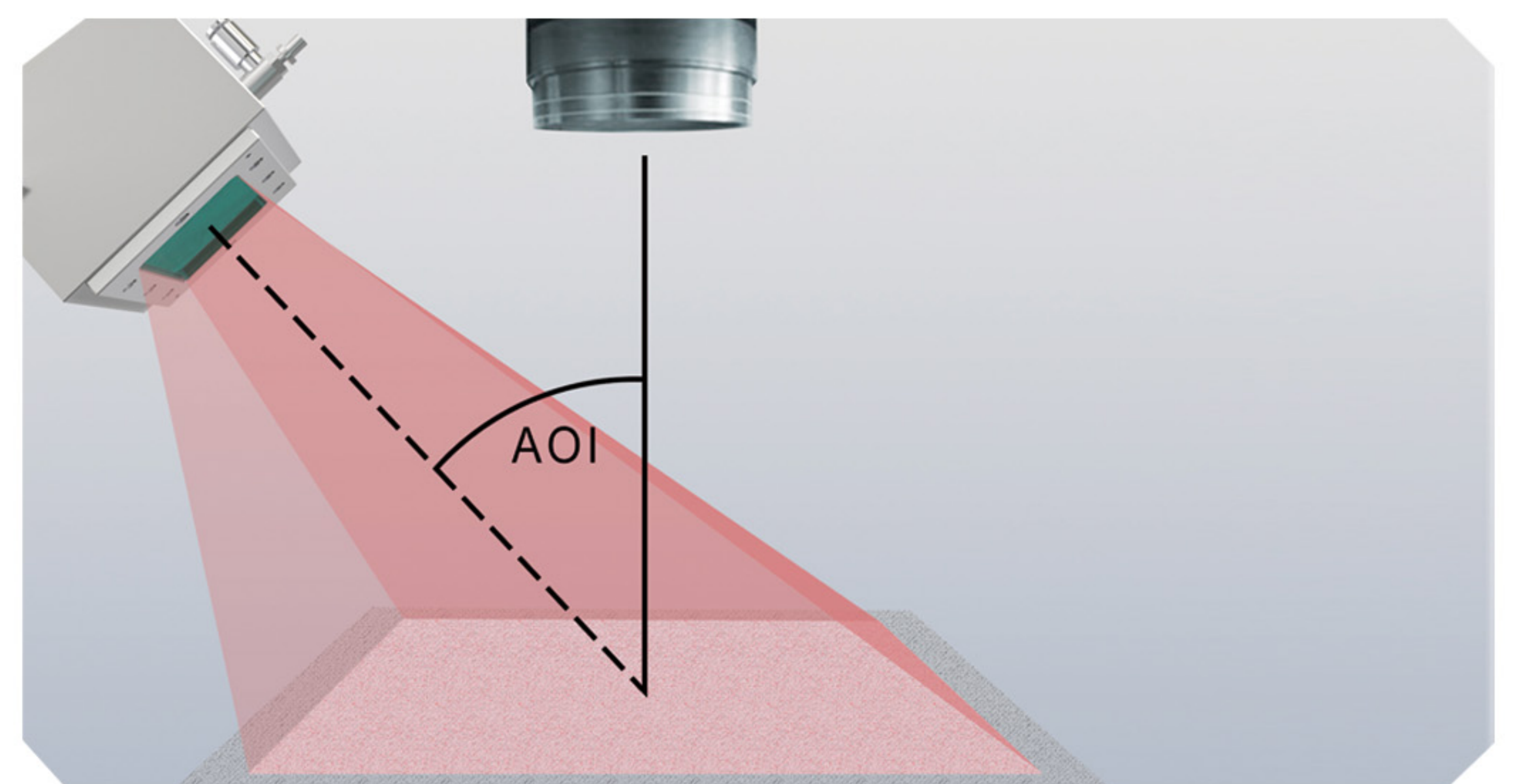
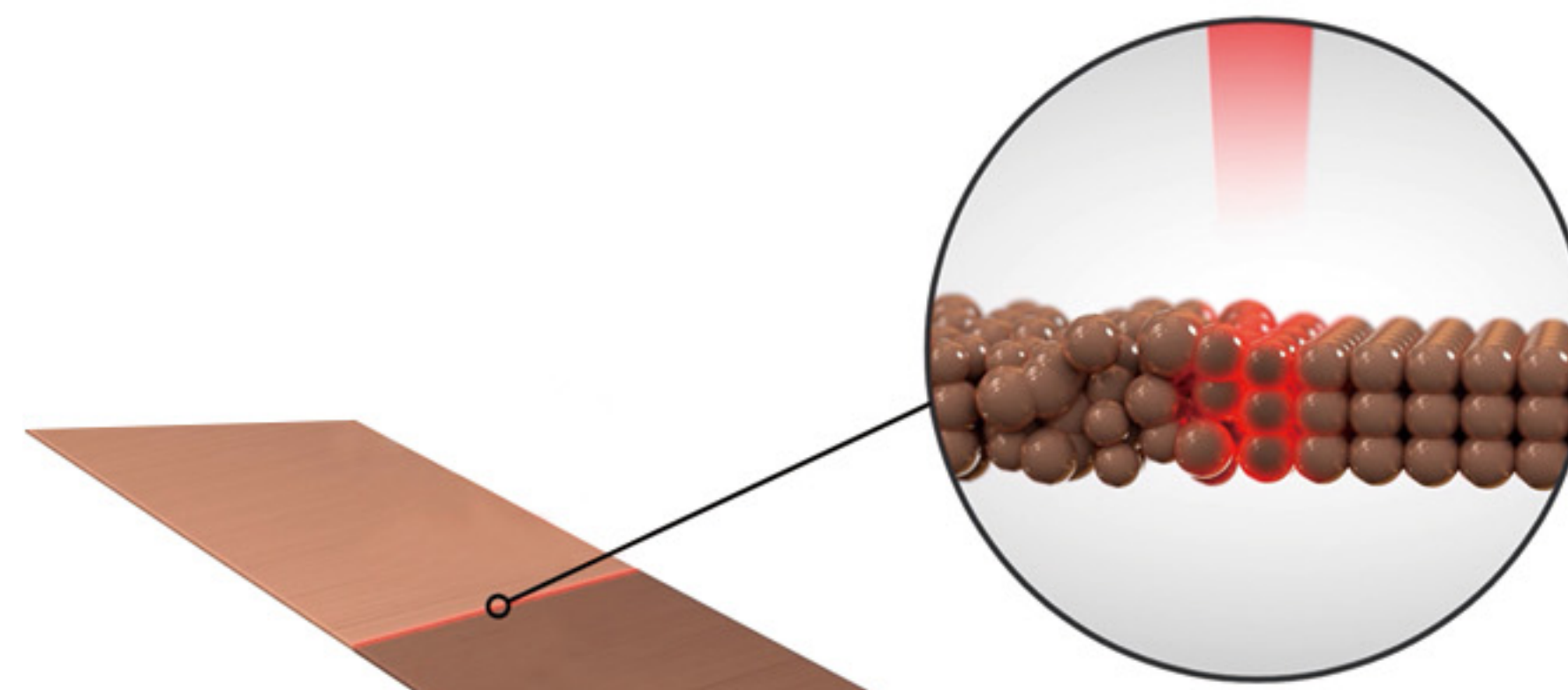


# HIGH PRECISION LASER BEAM SHAPING



Compact Beam Shaper



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).

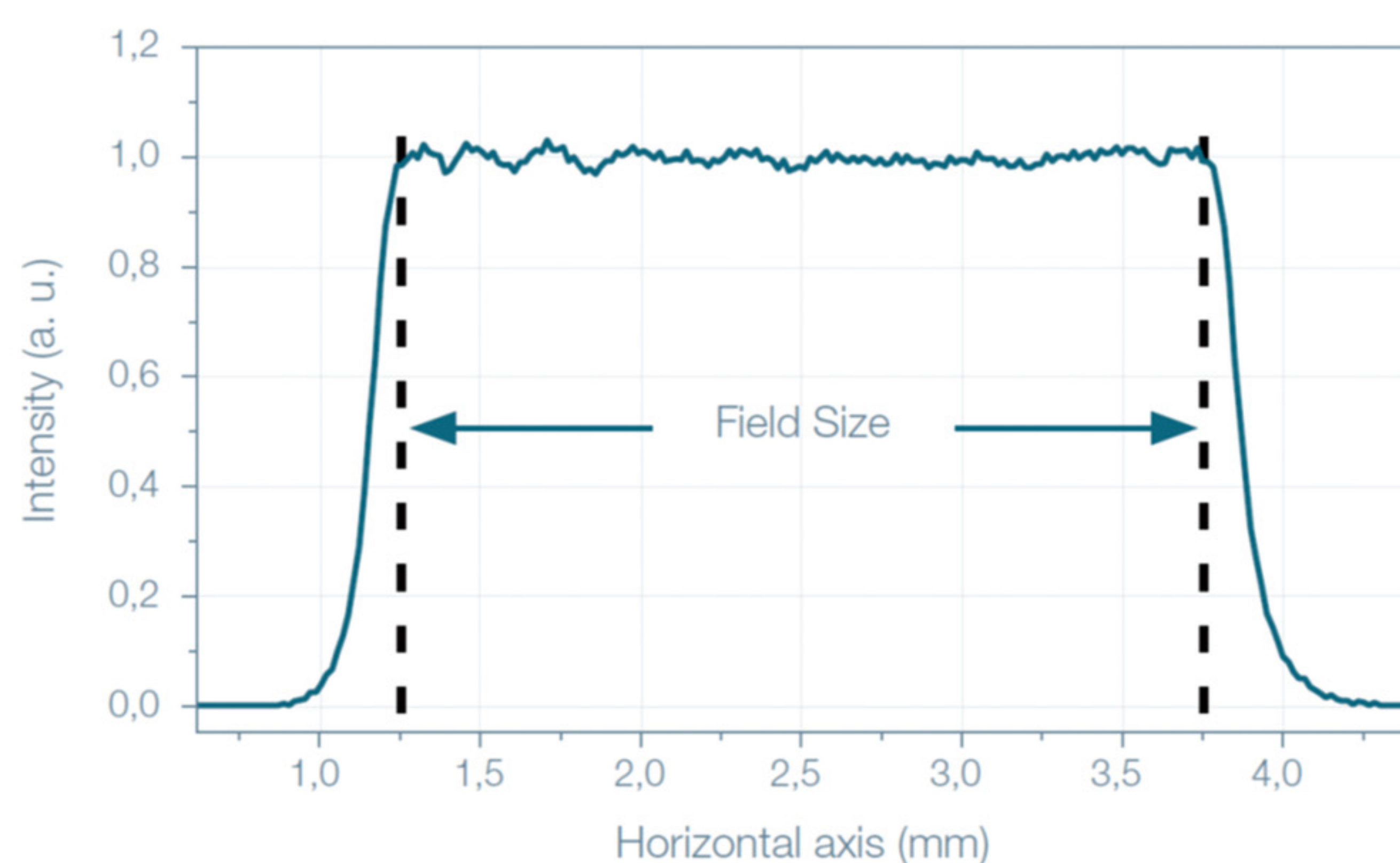


# HIGH PRECISION LASER BEAM SHAPING

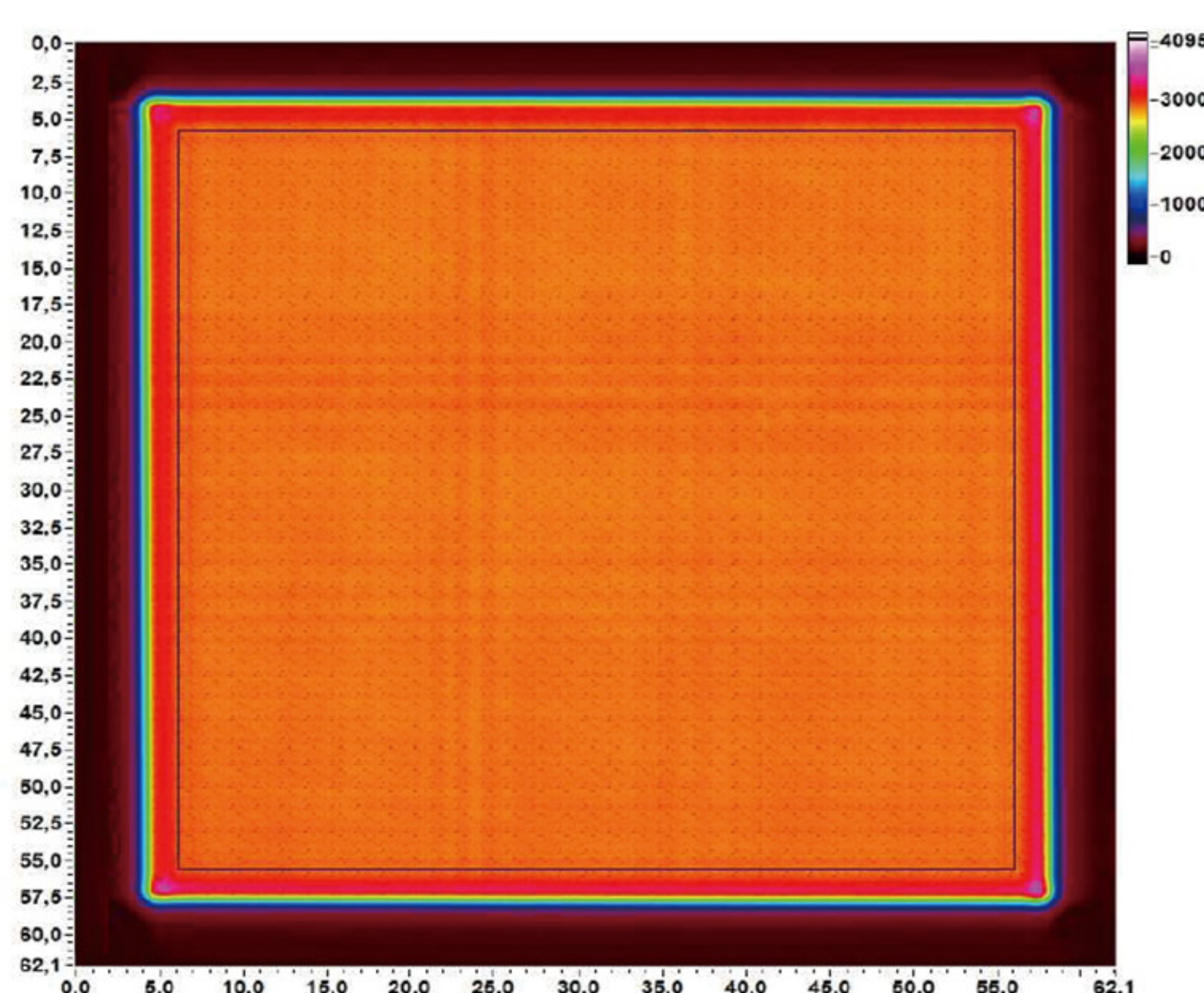
## Benefits of Scalable Beam Shaping Modules for High-Power Applications

- 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 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.