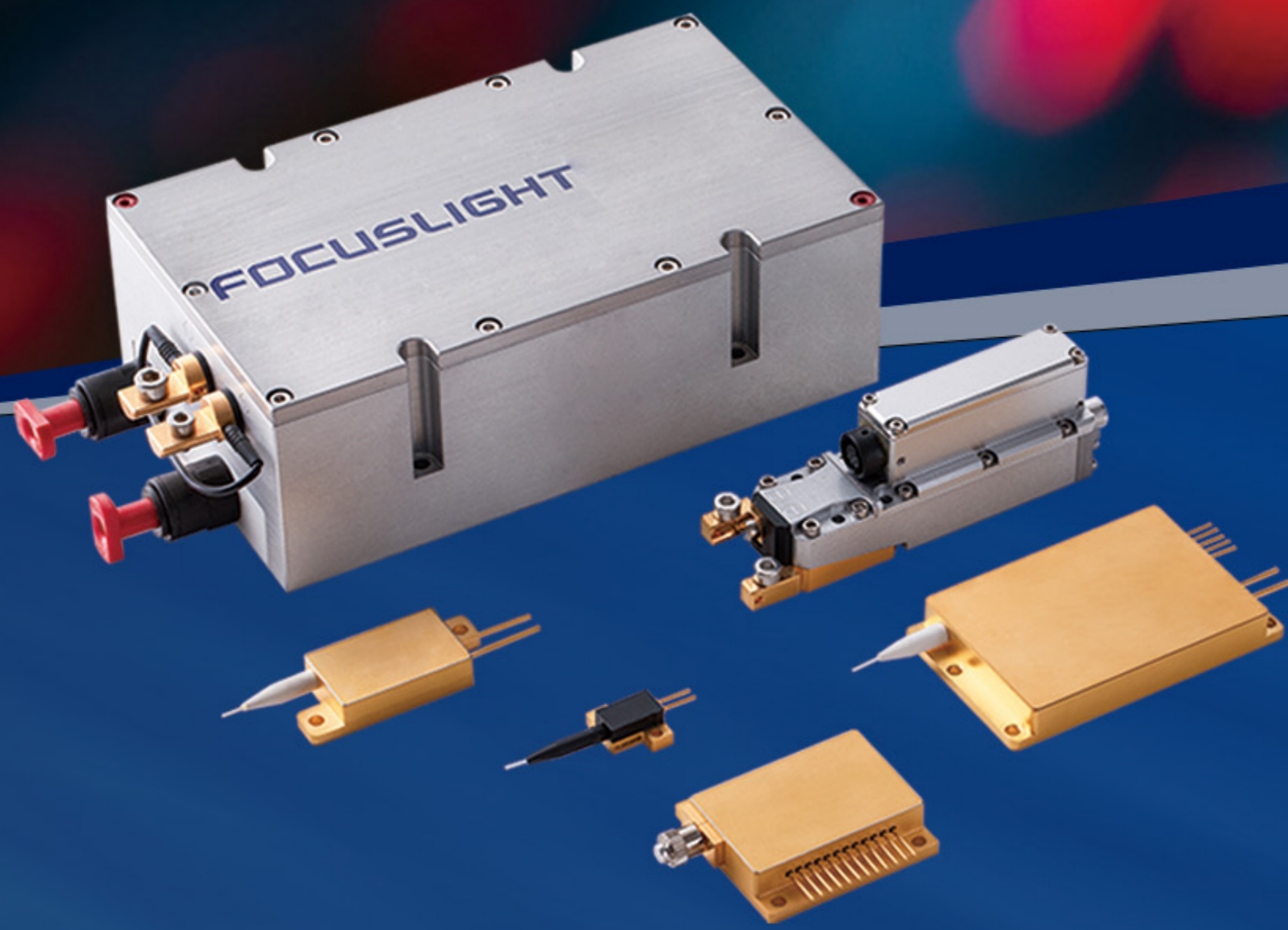


PHOTON ILLUMINATION EXPERT FOR MACHINE VISION AND INDUSTRY INSPECTION



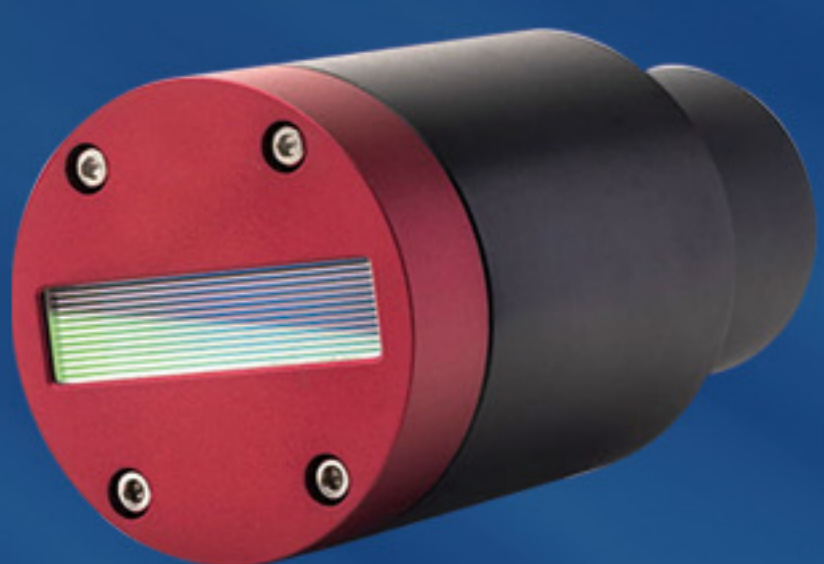
Fiber Coupled Modules



Homogenizers



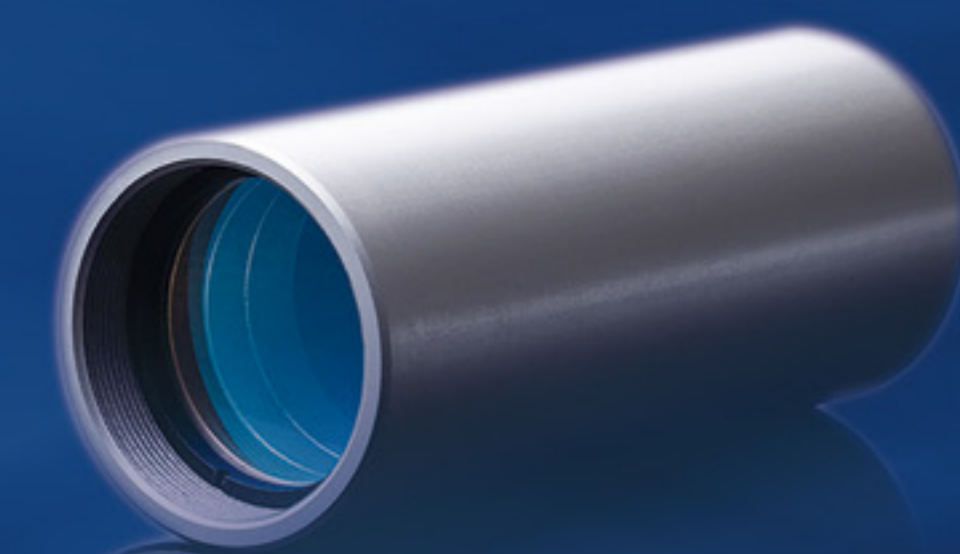
Diffusers



Laser Inspection Modules



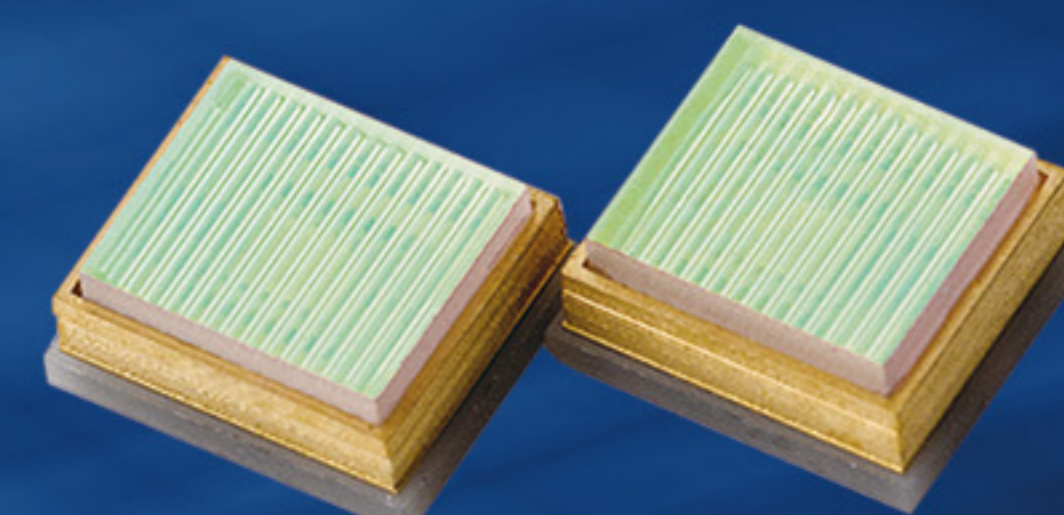
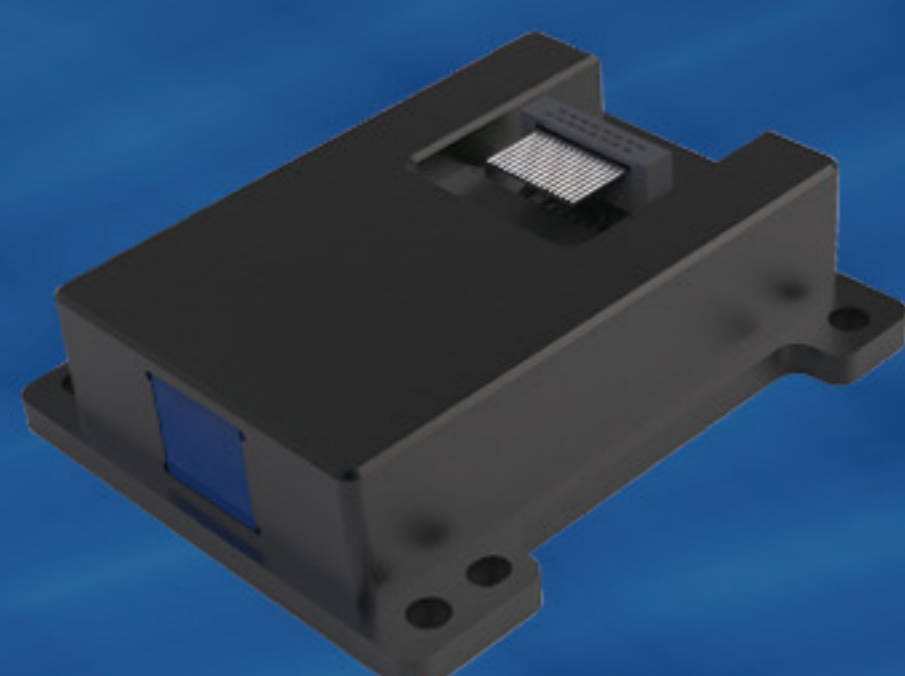
Off-Axis Beam Shaper



Compact Beam Shaper



Line Beam Illuminators

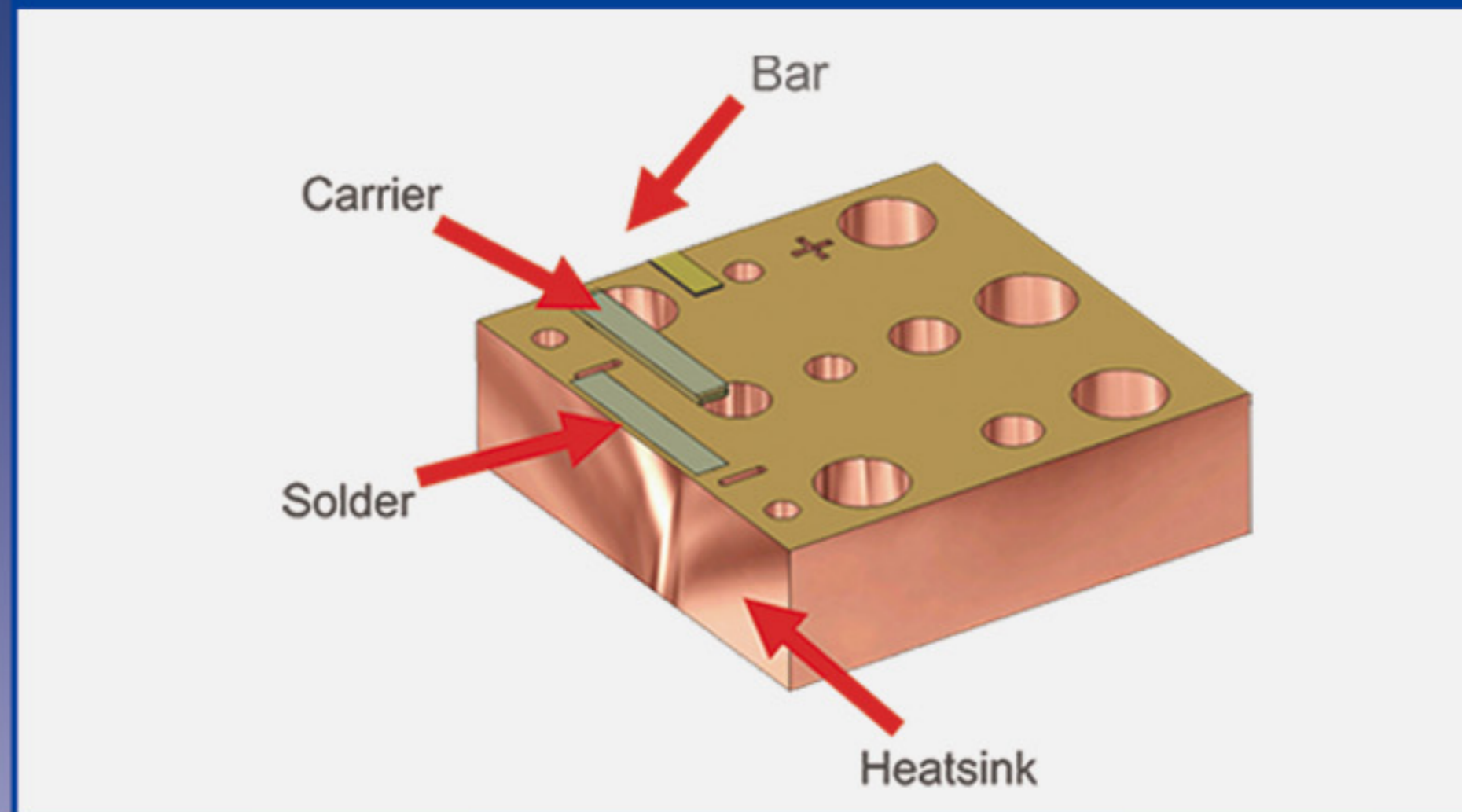


Rectangular Beam Illuminators

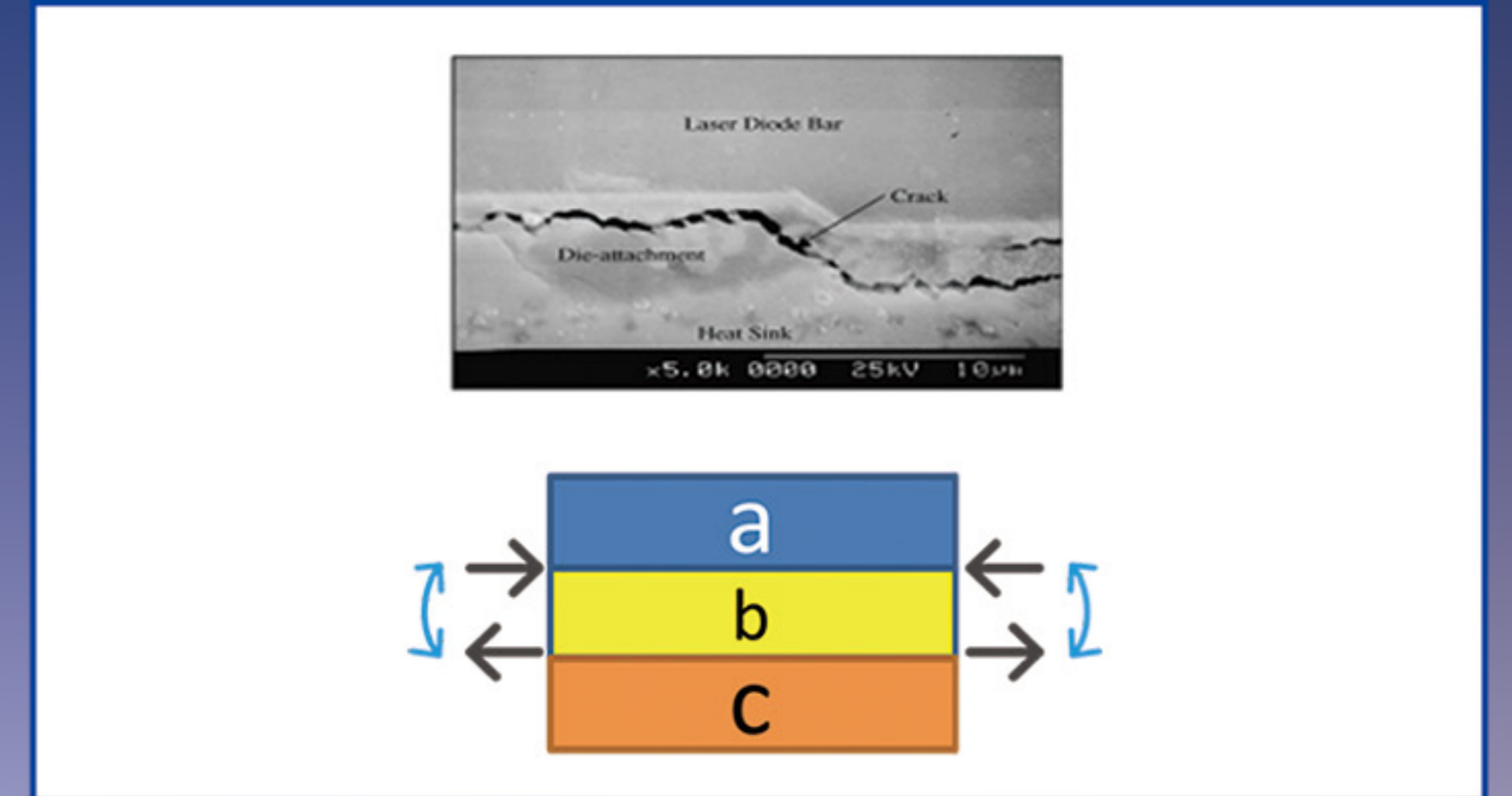


**CORE
COMPETENCE**

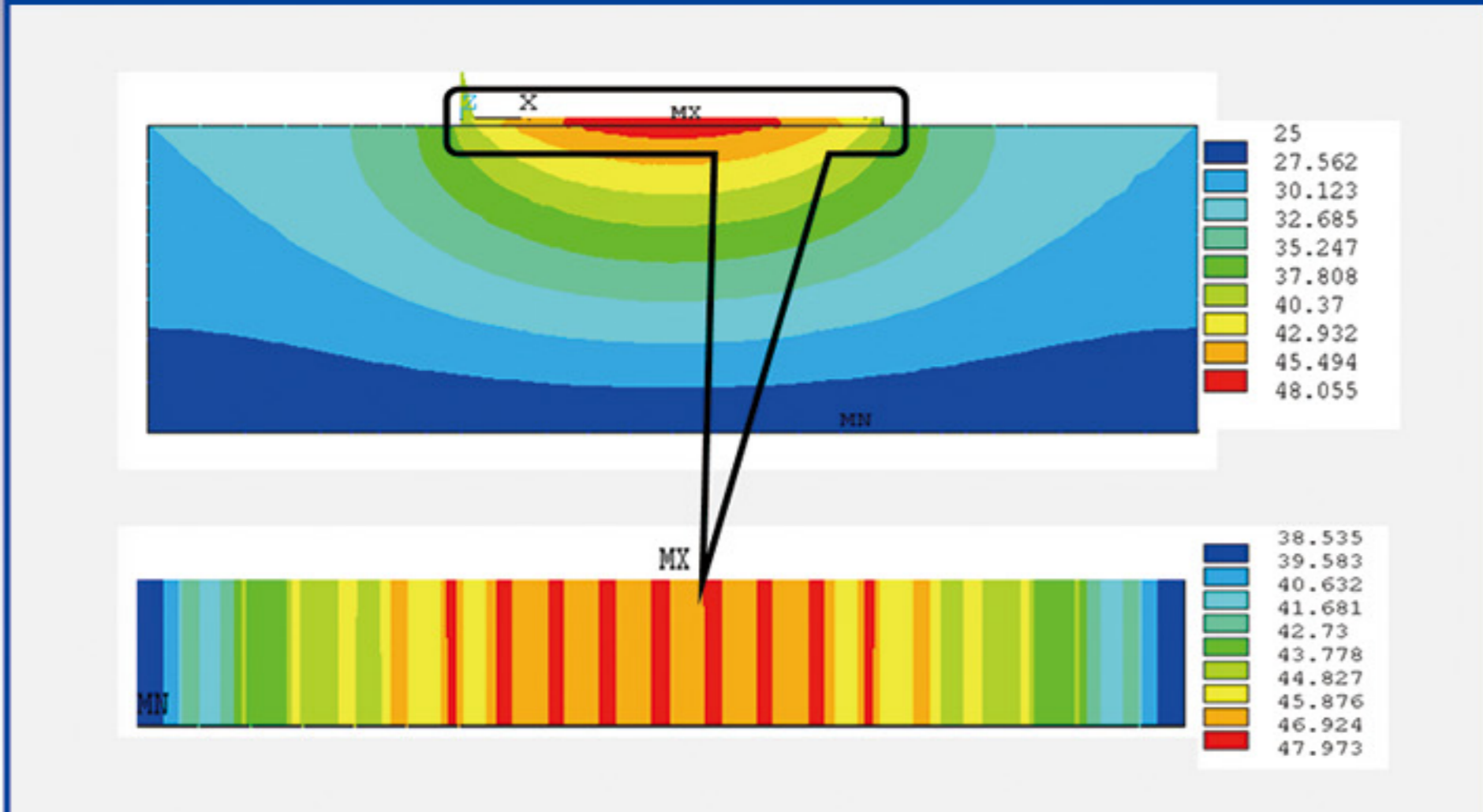
▼ Eutectic Bonding ▼



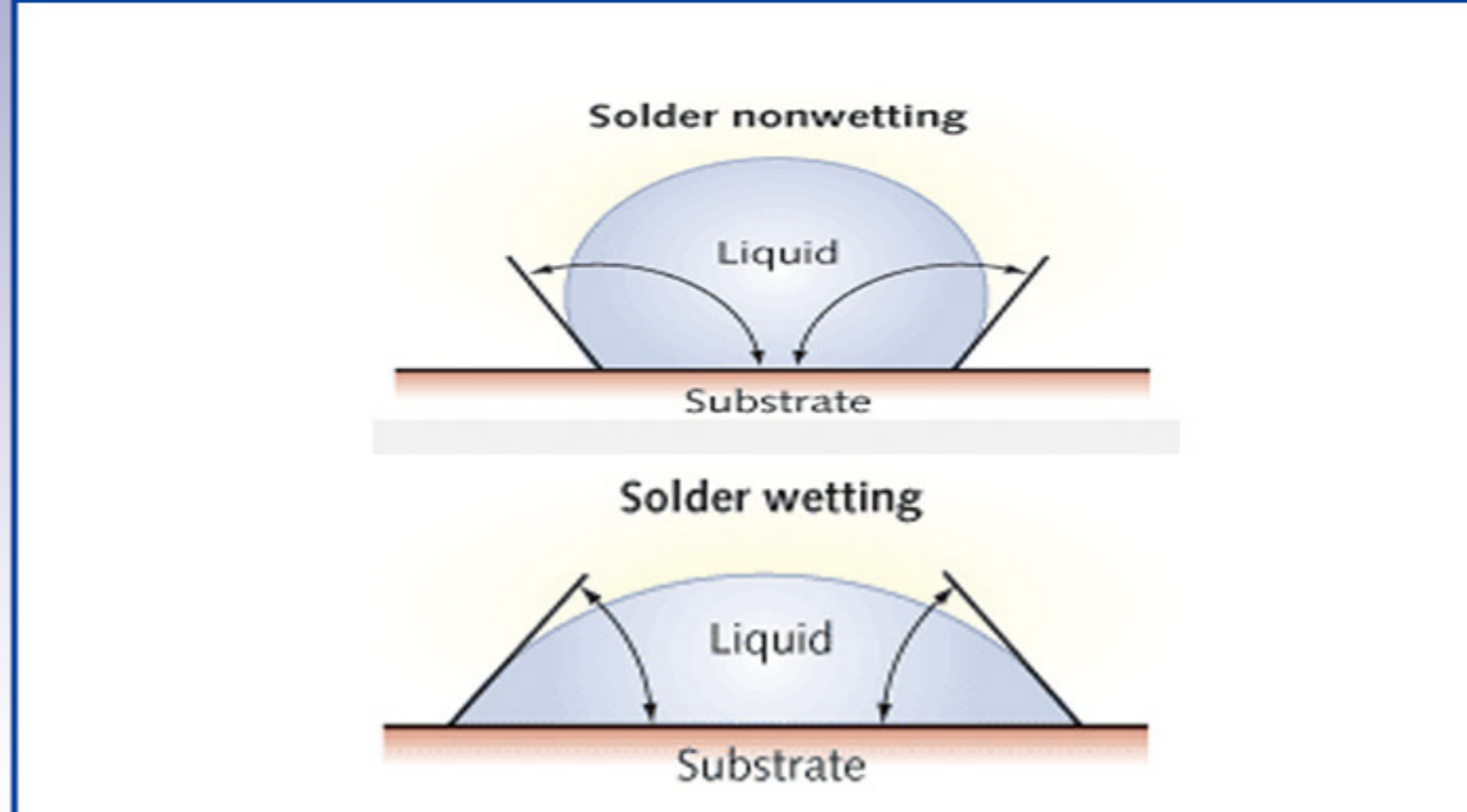
▼ Thermal Stress Control ▼



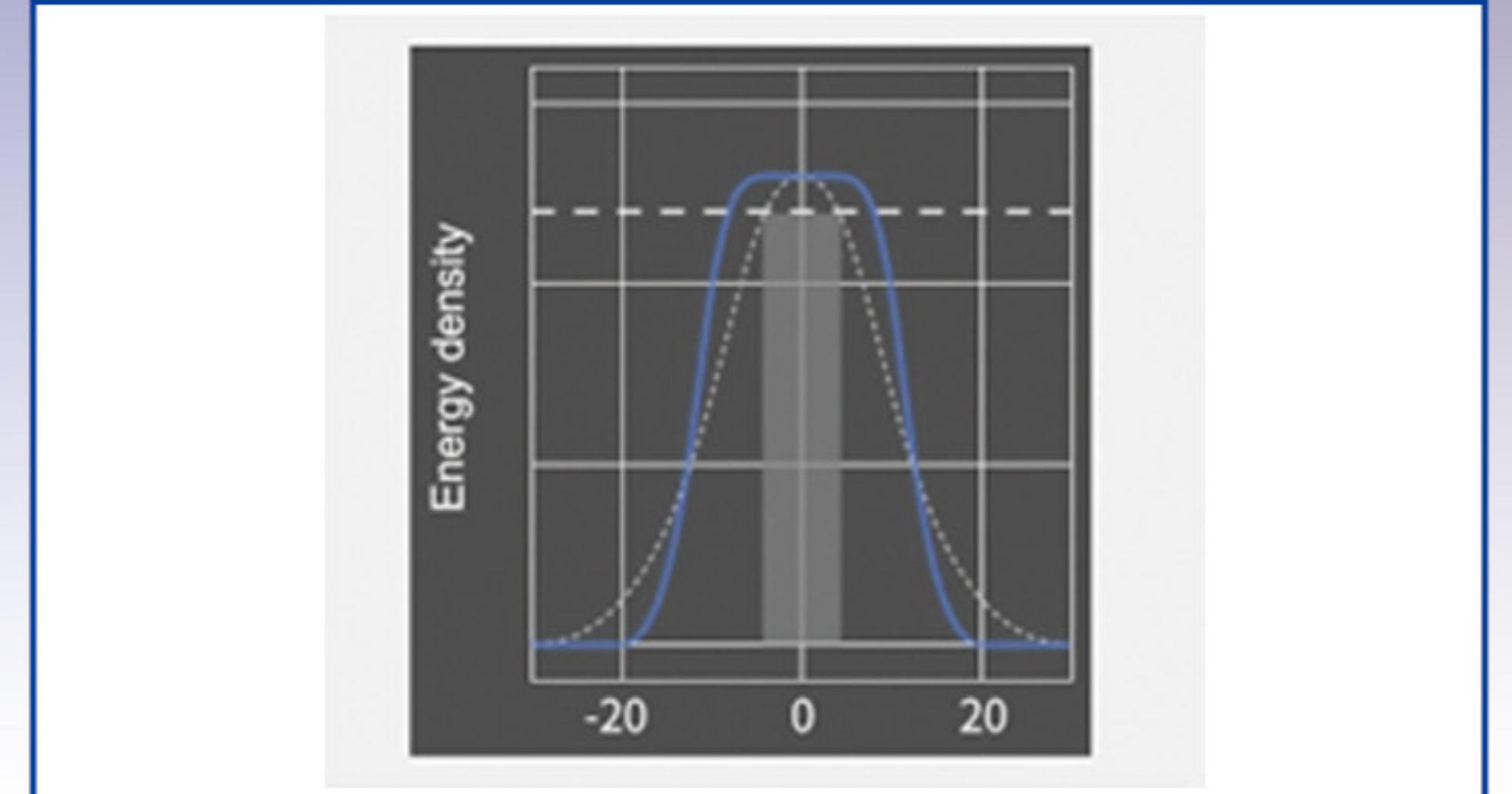
▼ Thermal Management ▼



▼ Interface Materials and Surface Engineering ▼



▼ Test Analysis and Diagnosis ▼



▼ Micro Optics Design and Processing ▼

▼ Homogenization ▼

This block contains two main sections. On the left, 'Wafer-level laser optics manufacturing' shows a wafer with a grid of micro-optics. On the right, 'Homogenization' shows a diagram of light passing through a lens system with focal lengths f_{2v} and f_1 , and a diameter D_{lx} . It includes a Gaussian beam diagram with M_x^2 and M_y^2 parameters and a color-coded intensity profile.

▼ Beam Transformation ▼

This block shows two beam transformation processes. The first, 'Asymmetrical → Symmetrical beam', shows a beam passing through a series of lenses. The second, 'Symmetrical beam → High density line beam', shows a beam passing through a series of lenses and a filter, resulting in a line beam. It includes Gaussian beam diagrams with M_x^2 , M_y^2 , and N parameters.

▼ Optics Manufacturing ▼

This block displays four manufacturing techniques: 'Wafer Level Simultaneous Structuring' (a wafer with a grid), 'Precision Glass Molding' (glass components), 'Cold Processing' (a glass cube), and 'High LIDT Optical Coating' (a coated surface). Below these are the materials used: 'Inorganic material: Glass, Fused Silica, Silicon, CaF₂' and the applications: 'Anti-reflection, high-reflection, beam splitter, band filter, and various customization (UV, VIS, IR)'.

COMPANY INTRODUCTION

Founded in 2007 and headquartered in Xi'an, China, Focuslight Technologies Inc. is a fast-growing public company (SSE Star Market: 688167) that develops and manufactures high power diode lasers (photon generation), laser optics (photon control), and photonics modules and systems (application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. In 2017, Focuslight successfully acquired LIMO GmbH, and completed the brand unification in January 2022. In January 2024, Focuslight acquired SUSS MicroOptics (now as Focuslight Switzerland). Focuslight owns over 400 patents worldwide and is ISO 14001, ISO 45001, ISO 9001, and IATF 16949 certified. Additional information can be found at www.focuslight.com.