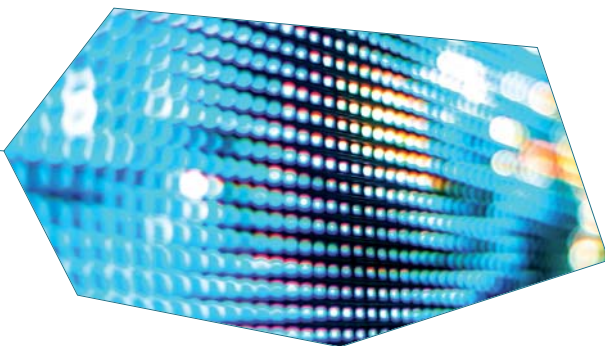


# Next-Generation Surface Engineering

Fast large-area processing | Scalable laser line beams



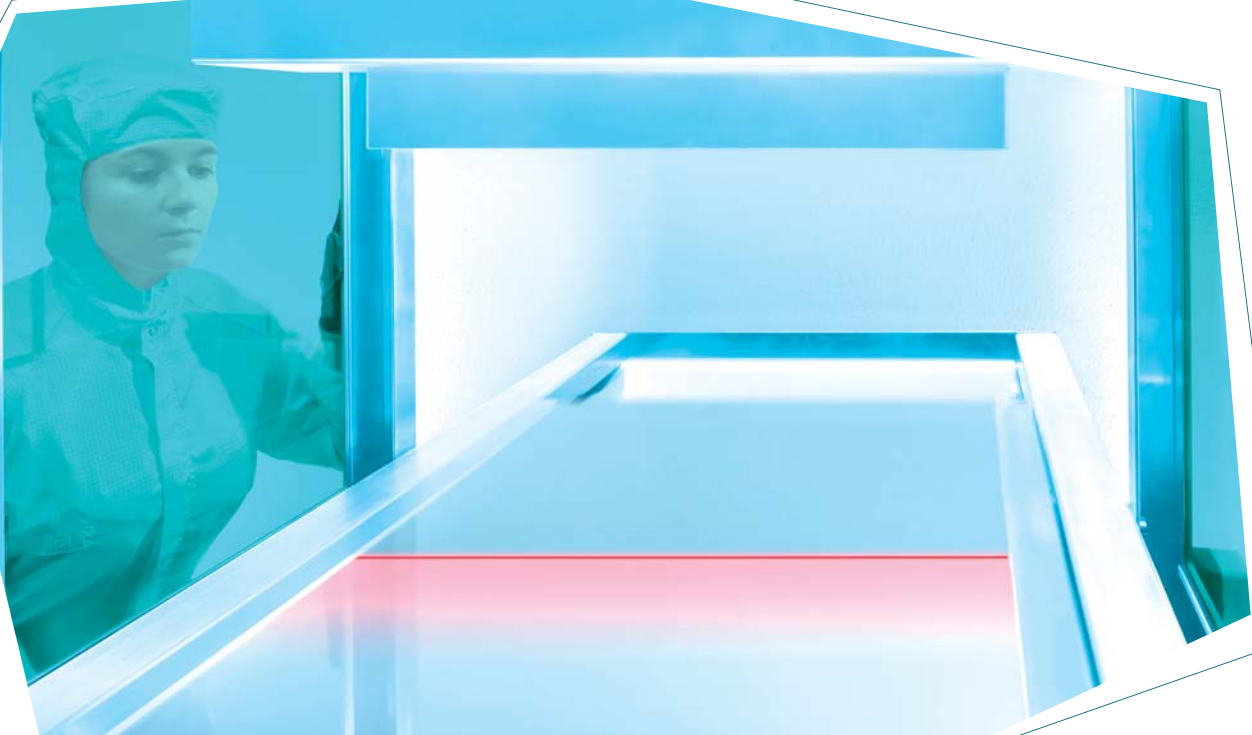
Beam Shaping Excellence

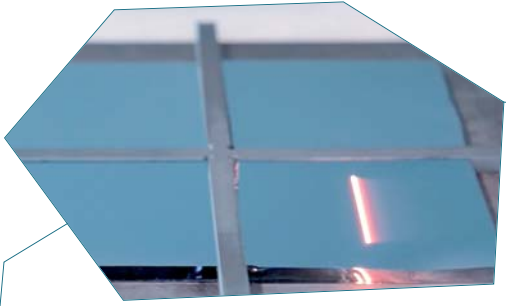
# From steel production to display manufacturing: Laser technology with superior precision

For more than 25 years, LIMO has ranked among the leading international specialists for laser beam shaping. LIMO micro-optics can be used to shape laser beams to create linear, rectangular or other custom geometries, and thus provide a revolutionary way to process materials and enhance their existing properties. Our beam shaping solutions and systems incorporate high-end technology and are used wherever there is a need for cost-efficient precision processing of large surface areas, e.g. in the metal and automotive industries or in the production of large-area displays. The highly versatile customizability of our systems is one of the main reasons why we are such a strong partner for companies from a wide range of different industries.

## Application areas

- Fast and efficient large-area surface processing
- Selective heating of different surfaces and materials
- Hardening of metal coatings for increased protection against wear
- Crystallization and transformation of surfaces and coatings (e.g., semiconductors, metals)





# More productivity with large-area processing

With LIMO's beam shaping expertise, selective thermal processing can be performed on surfaces without impacting the substrate. This means that surfaces are heated precisely where and for just as long as they need to be.

## **Holistic concept**

LIMO develops beam shaping solutions that are economical and suitable for industrial use – from creating a concept and defining the process parameters to producing the finished equipment. LIMO's service portfolio rounds out this holistic concept. The services we provide include training, hassle-free operation and maintenance on-site. This allows us to help our customers and partners achieve reliable production processes and thus strengthen their productivity and competitiveness.

## **Your benefits with LIMO**

- Selective surface processing with no impact on substrate material
- Precise selective heating of surfaces and coatings
- Enhancement or replacement of traditional methods
- Use with innovative applications and materials
- Higher productivity thanks to rapid surface processing



# LIMO

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