

The logo for Cailabs features the word "cailabs" in a bold, lowercase, sans-serif font. The text is white and is set against a dark background. Behind the text is a large, glowing light effect that transitions from a bright cyan at the top to a deep purple at the bottom, creating a lens flare or bokeh effect.

cailabs

SHAPING THE LIGHT

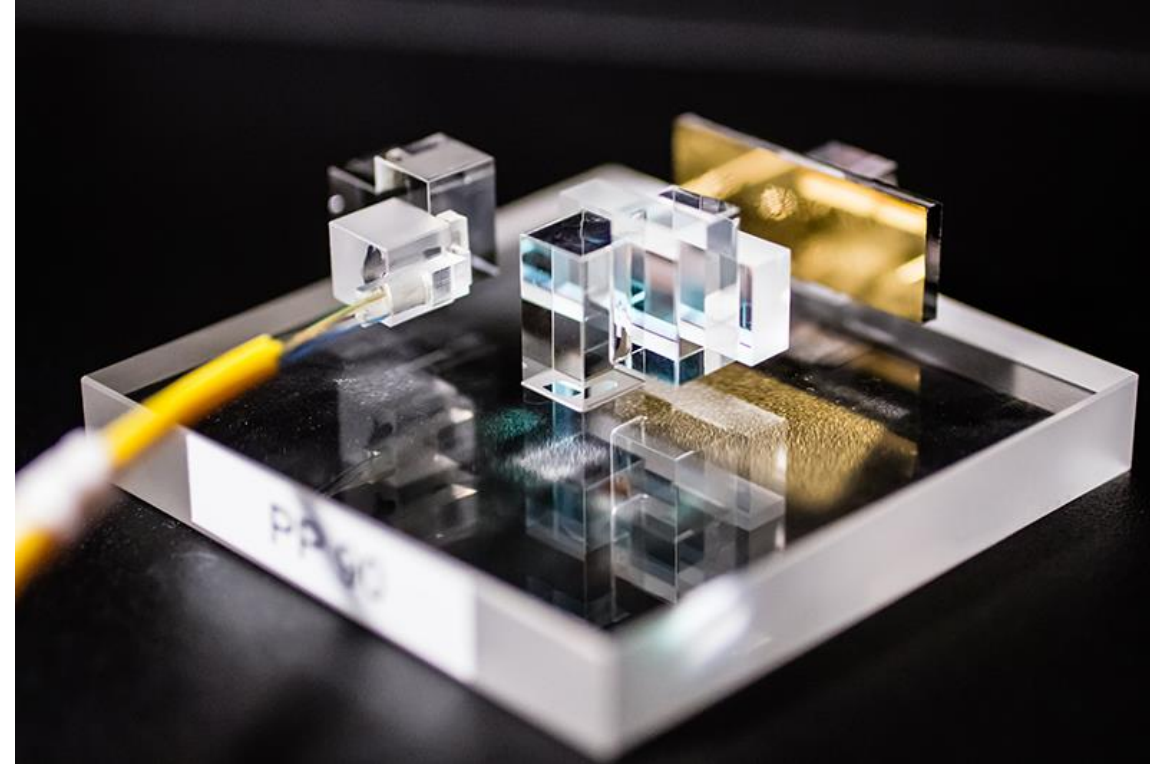
Beam shaping for laser material processing

EPIC online technology meeting on beam
shaping

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A few words about Cailabs

We develop, manufacture & sell innovative optical components

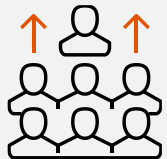
cailabs



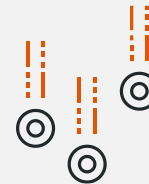
Unique technology (MPLC)
and **expertise** in beam shaping



20 +
patent families



50 + employees
(**18** PhDs)



16.6 M€
raised

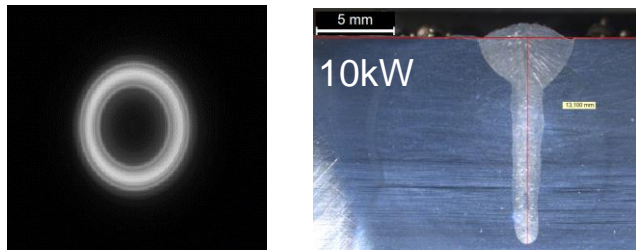
Stories:



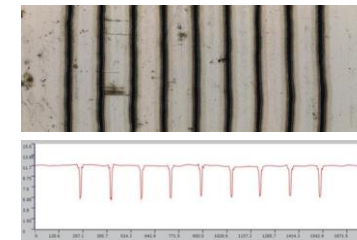
What do we do for laser material processing?

Beam shaping for high quality and high yield processes

Laser Beam Welding : Donut shape



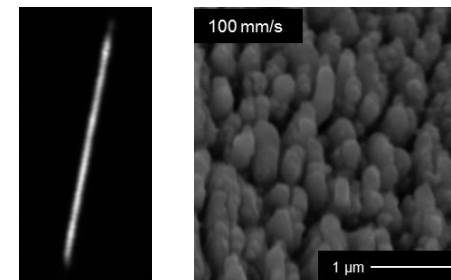
Engraving : Beam splitting



Glass Cutting : Bessel beam



Surface Texturing : Line Top-hat

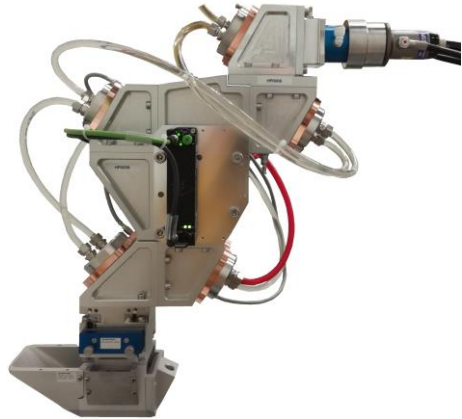


What do we offer for laser material processing?

CANUNDA offers beam shapers for robust industrial processes



 **CANUNDA** HP



- Handling up to **16kW**
- Reducing **focus shift**

 **CANUNDA** PULSE



- Compatible with **scanners**
- Preserving the **depth of field**
- **Stabilizing** the output beam

 **CANUNDA** AXICON



- **Best quality** Bessel beams
- Compatible with **scanners**

Catalog references and custom developments available

What are we looking for?

Cailabs looks for new challenges, new partners and news suppliers



We are looking for **challenges to take on:**

- **End users** who need new shapes or new features
- **Main actors** of the field who want to collaborate and innovate within large projects

We are looking for **partners:**

- **System integrators** who need to improve processes quality or yield
- **Laser manufacturers** who wish to improve the laser performance

We are looking for **new suppliers:**

- Providers of **ellipsometry** tests and/or equipment (polarization measurements)
- Providers of complex with tight tolerances **mechanical parts**



Thank you for your attention!

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