

The company

- **High Power Lasers for Material Processing**
- Established 2008
- 180 Employees
- Clean room facilities and optical labs
3500 m²
- All core technologies in-house
- Over 50 patents
- Jerusalem based

Products

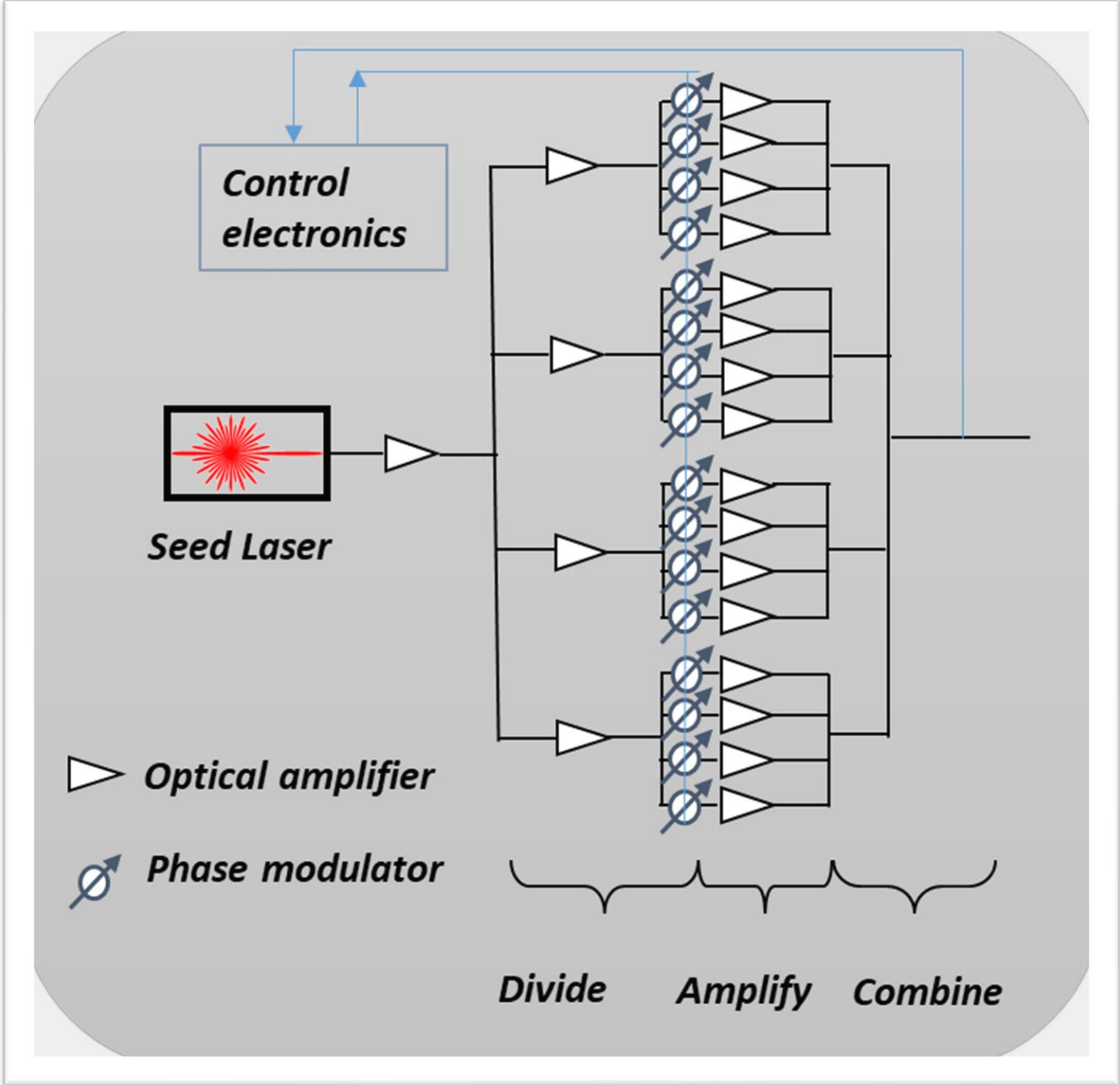
**Single Mode Fiber Laser
532 nm
150 to 500 W**



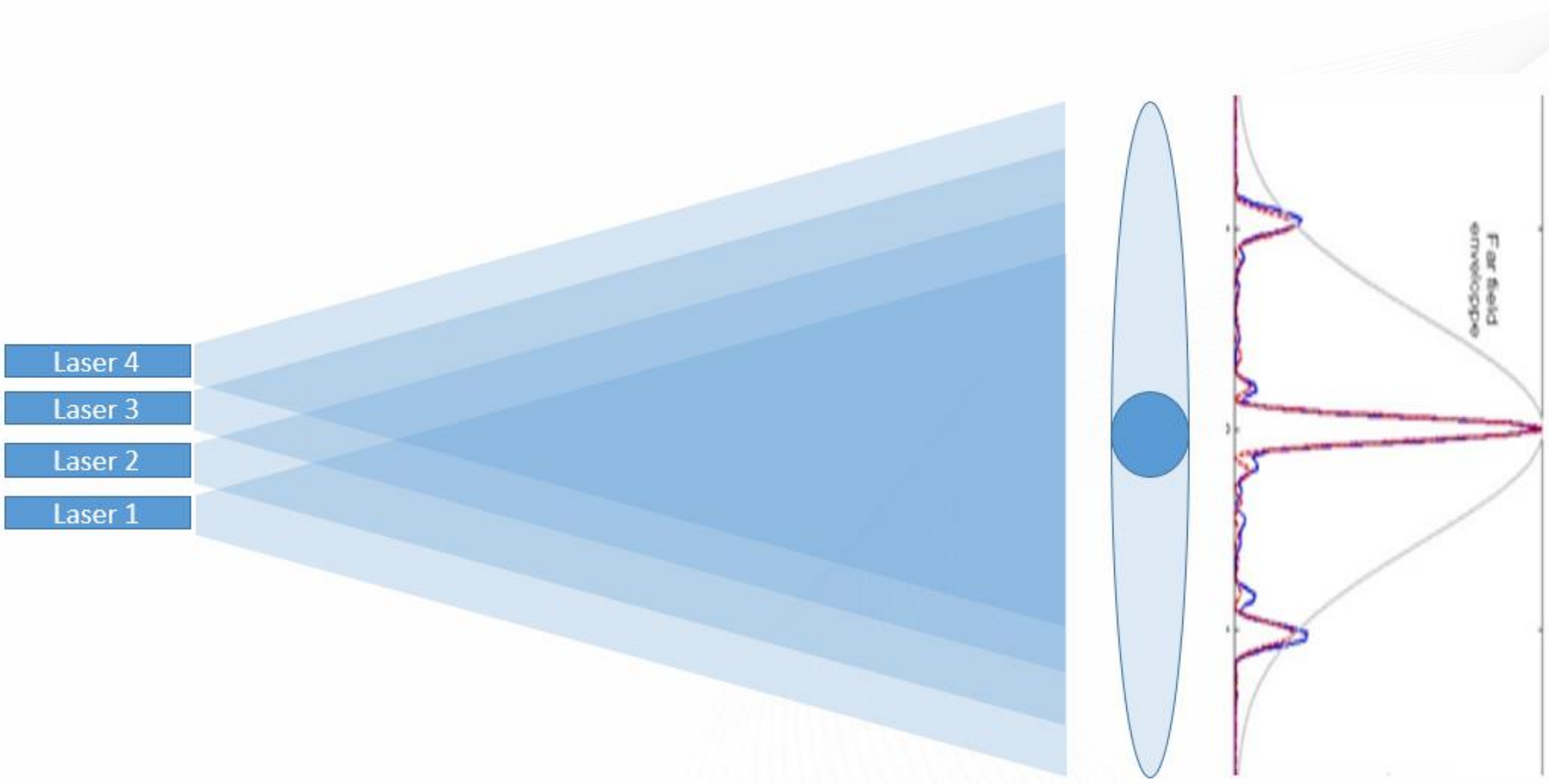
**OPA CBC Single Mode
Fiber Laser
with dynamic beam
10-30kW**



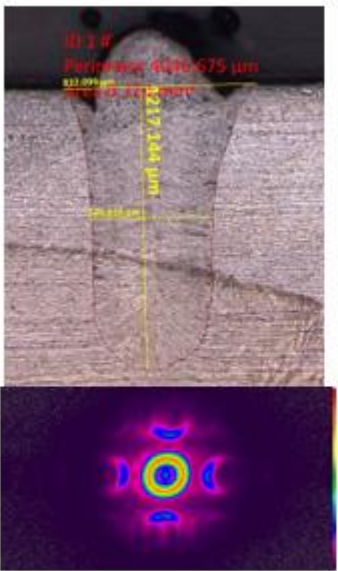
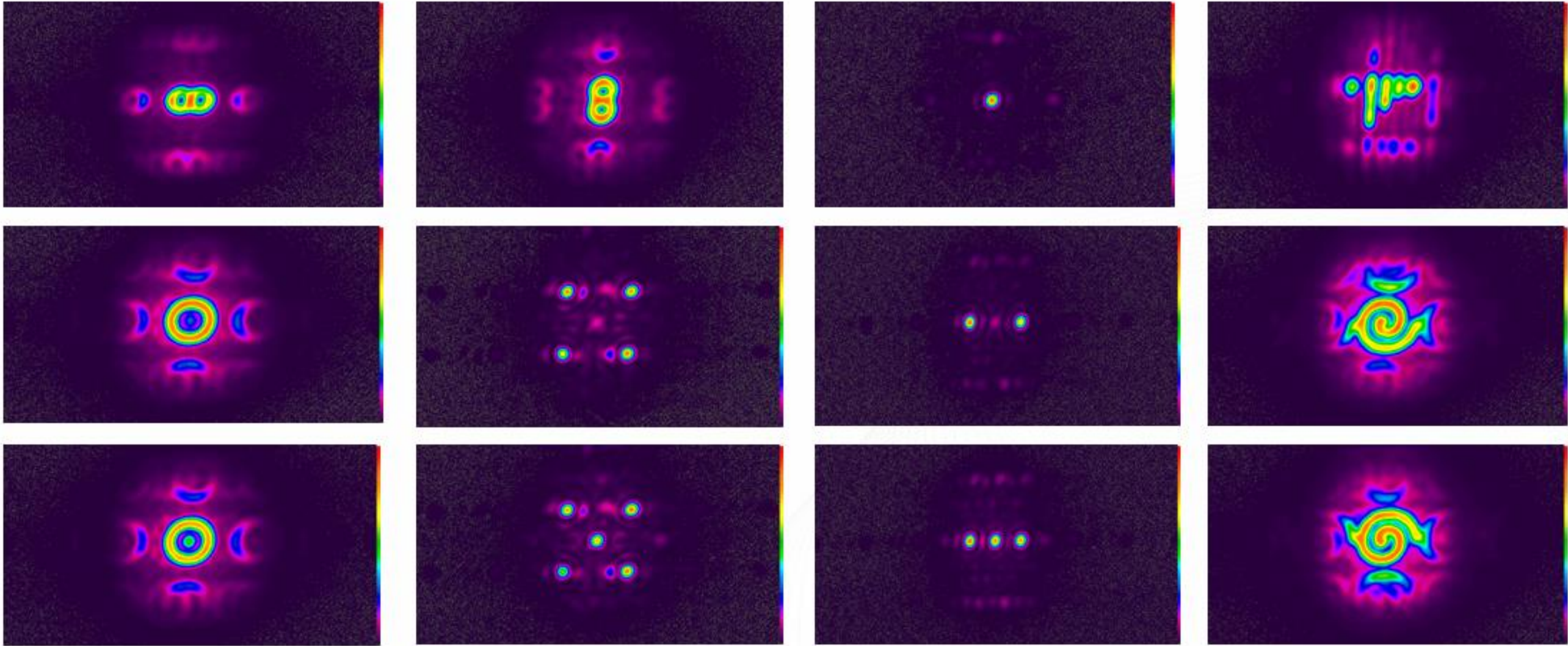
Coherent Beam Combining (CBC)



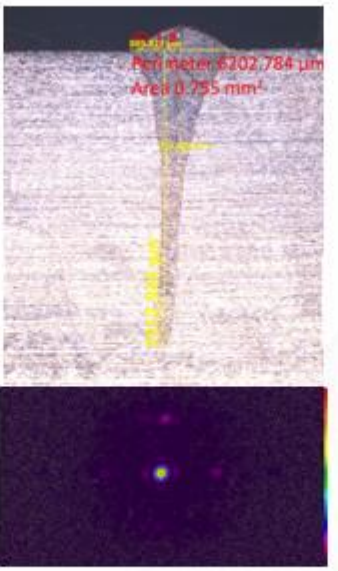
Optical Phased Array (OPA)



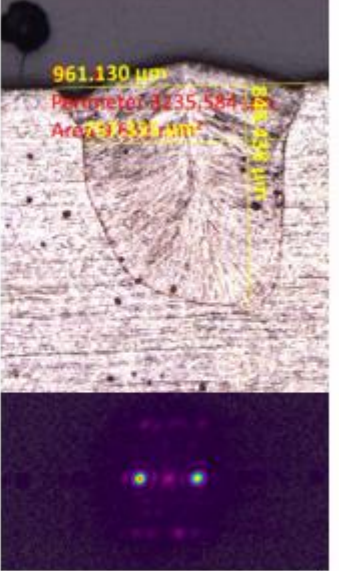
Beam shaping with Civan's Dynamic Beam



Circle



One Point

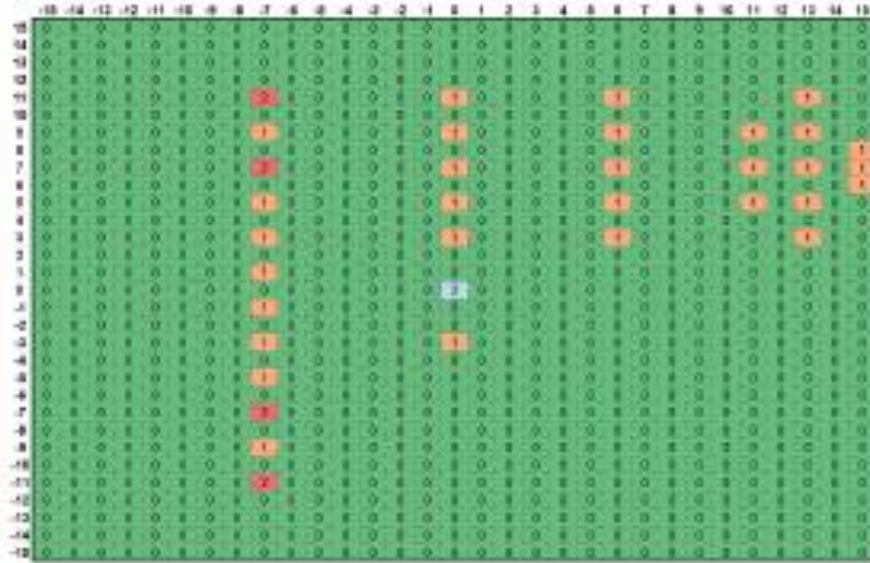


Two Points

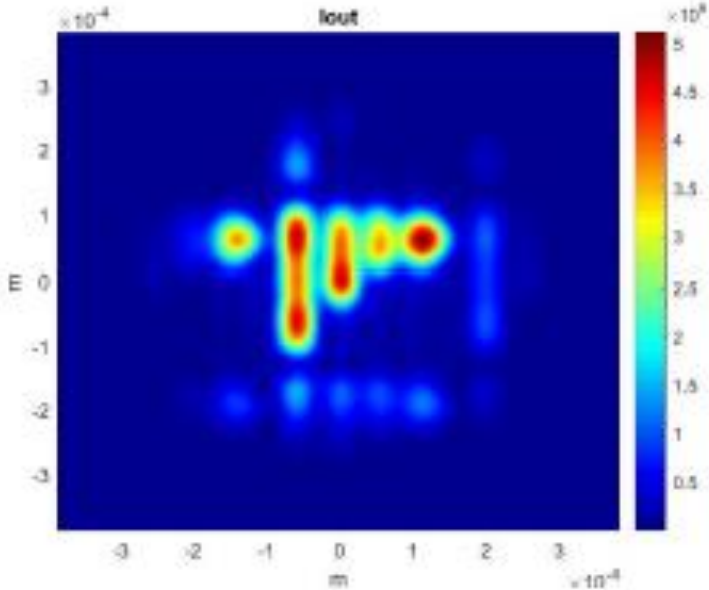
Unlimited Beam Shapes

Software to design beam shapes in less than 5 minutes

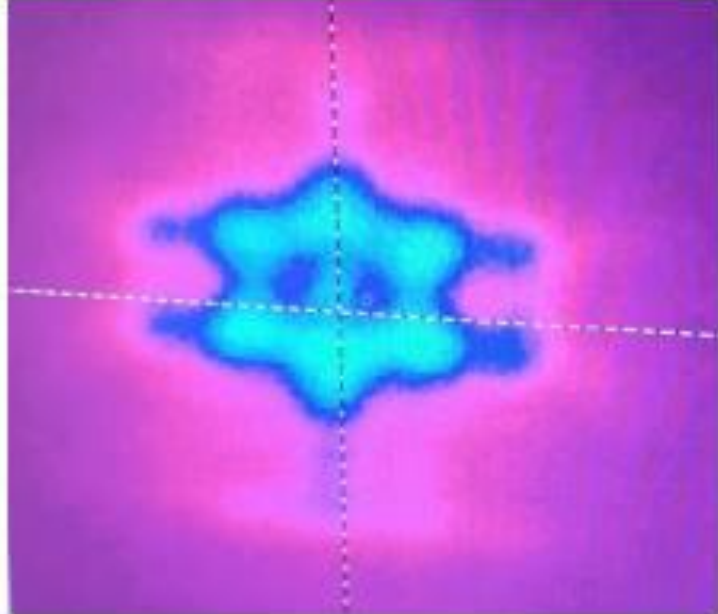
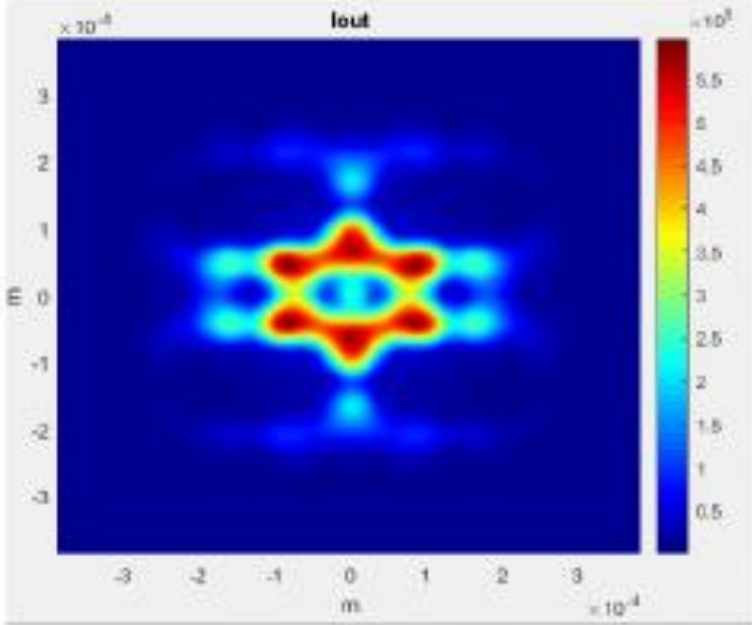
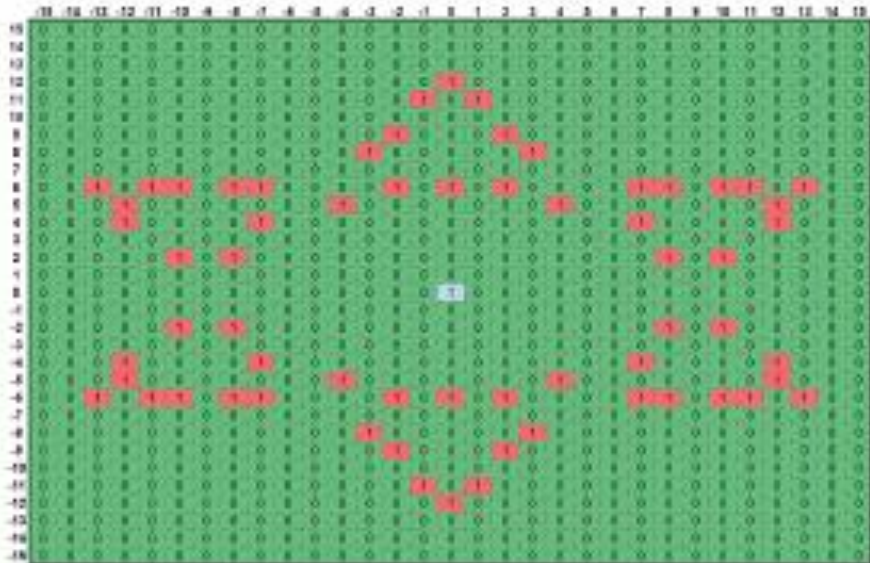
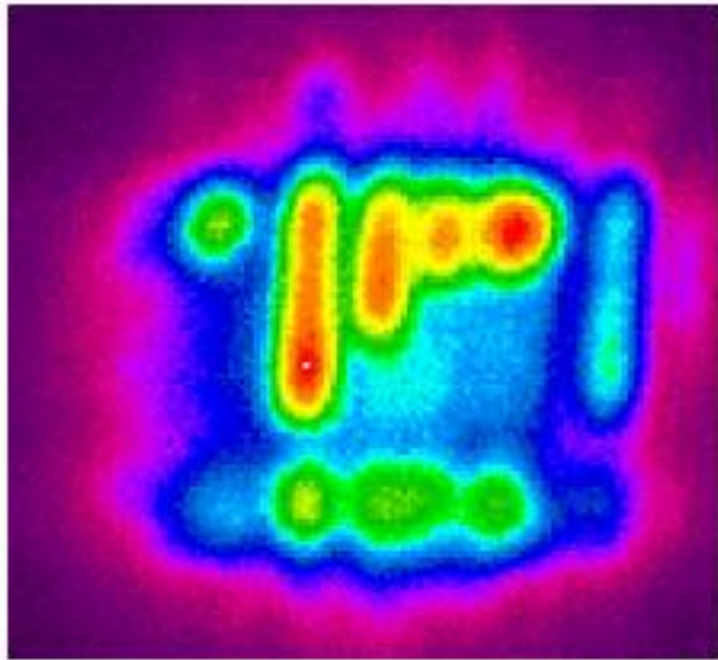
Design



Simulation

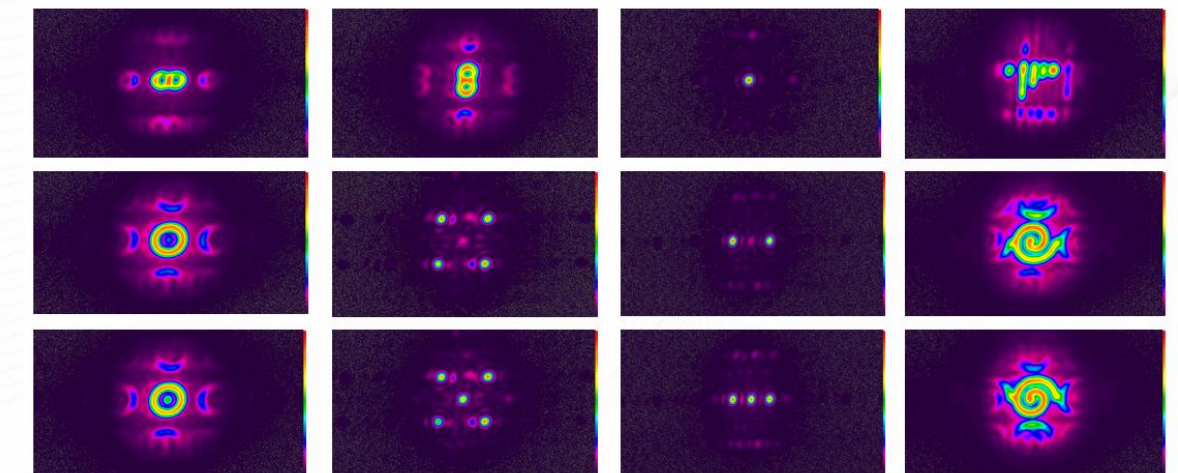


Laser output



Sophisticated beam shapes

- A specific beam shape can be designed for each application
 - Cutting / Welding
 - Thick / Thin
 - Stainless/Mild Steel, Al, Cu, Ti, metallic foam, composites
 - Crack sensitive materials
- Takes only minutes to design any shape
- Test tens of shapes in few minutes to optimize
- Real time adaptation using real time measurements hi-speed camera / pyrometer / OCT / AI



Control Room



Laser Room



Metallurgic Lab

