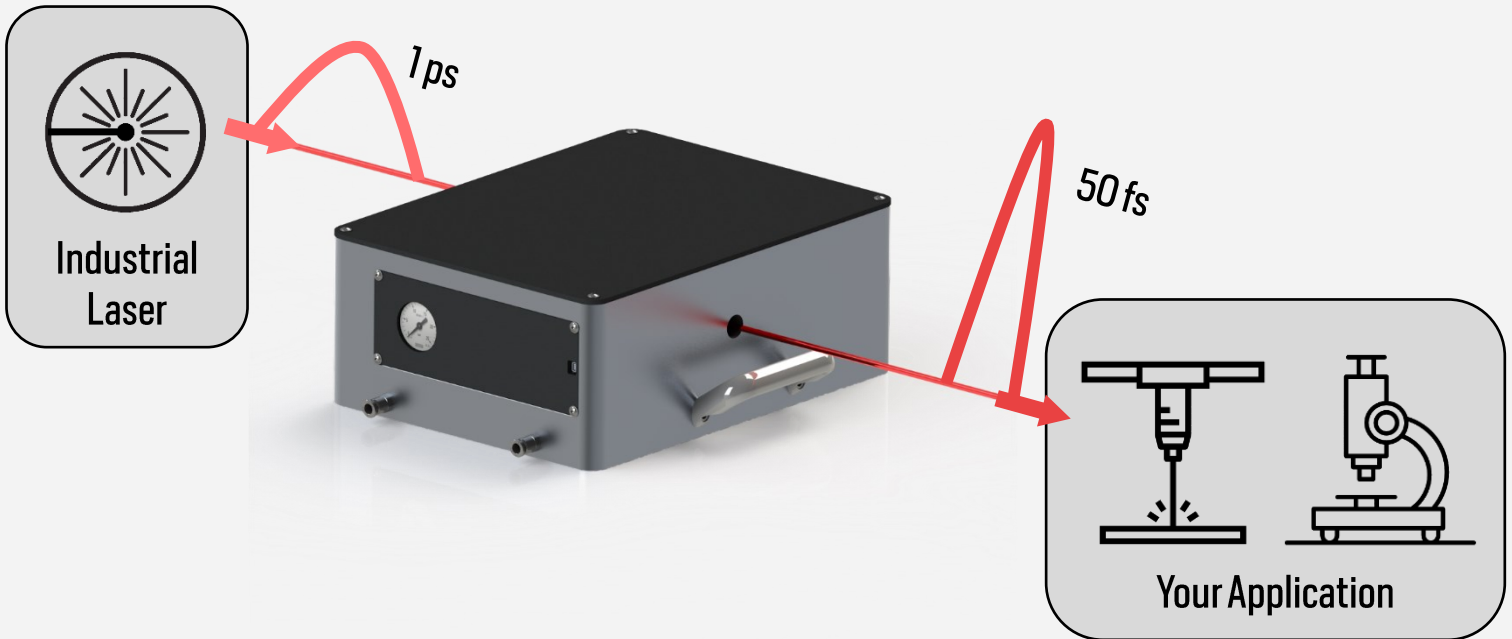


# Multipass Compressor

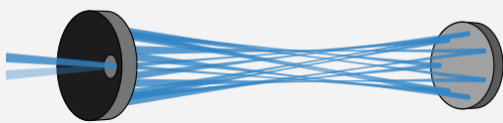
Ready-to-go pulse shortening



## TECHNOLOGY

Our Multipass Compressor is combining a 2-step process for spectral broadening and temporal compression in one module:

Step 1: Spectral broadening



Step 2: Temporal compression



## FEATURES

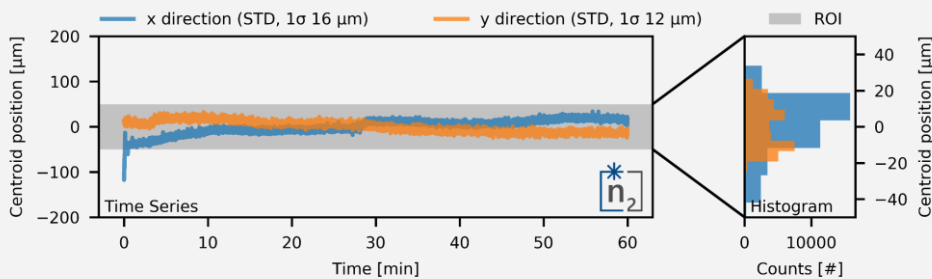
- Over 90 % transmission
- 24/7 operation
- Low maintenance
- Small footprint: 60 x 27 cm<sup>2</sup>
- Live Diagnostics with CellViewer

## SPECIFICATIONS

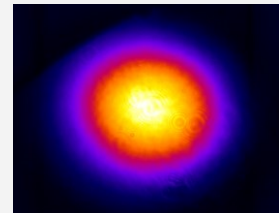
Versions	MIKS1S	MIKS1M	MIKS1L	MIKS12
Input energy	1 - 200 $\mu$ J	200 - 500 $\mu$ J	500 $\mu$ J - 3 mJ	50 - 300 $\mu$ J
Input pulse duration	200 fs - 3 ps			
Maximum average power	Up to 100 W (HP-version: >100 W)			
Compression factor	Up to 10 x			15 - 35 x
Efficiency	> 90 %			> 80 %
Output pulse duration	< 45 fs			< 10 fs
Beam positional stability	< 1 % of beam diameter			
Average power stability	< 0.5 % RMS			
Footprint	36 x 25 cm <sup>2</sup>	60 x 25 cm <sup>2</sup>	190 x 40 cm <sup>2</sup>	80 x 60 cm <sup>2</sup>

## STABILITY

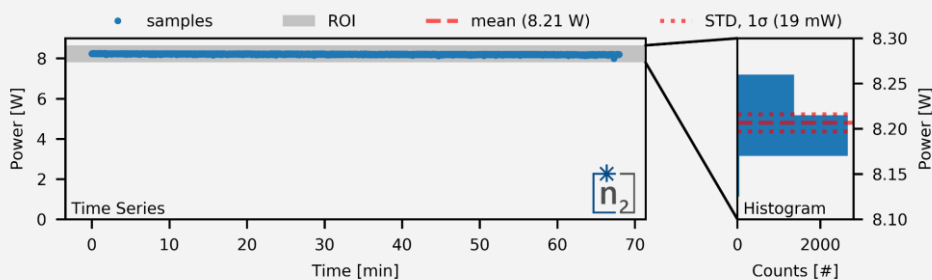
### Typical beam position stability



### Typical far field beam profile



### Typical average power stability



Contact us for further information or for customizing MIKS1M to your requirements!  
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