

π Shaper 12_12_10.6

**High efficient Homogenizers for CO₂ lasers
Converting Gaussian to Flattop profile**



With these unique tools it is possible to convert Gaussian laser beam into collimated Flattop beam with nearly 100% efficiency.

π **Shaper** produces collimated Flattop beam (like Greek letter π) over a large working distance.
This enables to manipulate and re-size the beam with conventional imaging optics.

Almost the same effective sizes of input and output beams (diameter 12 mm) let it easy to integrate π **Shaper** in your application.

Beam Shaping never was so easy!

No more losing of energy!



Technical Specifications

Input beam	Gaussian, diameter 12 mm ($1/e^2$)
Output beam	<ul style="list-style-type: none"> - Collimated - Flat-top, uniformity within 5% - Diameter 12 mm - High edge steepness
Type	Telescope of Galilean type (without internal focus)
Operating wavelength range*	9400-11000 nm
Other features	<ul style="list-style-type: none"> - Compact design suitable for scientific and industrial applications - Long working distance
Optimum wavelength**	10600 nm
Design wavelength	10600 nm
Overall dimensions	<ul style="list-style-type: none"> - Diameter 48 mm - Length 270 mm
Weight	< 450 g
Mounting	Outer Thread M 27x1
Applications based on	CO ₂ lasers
<p>* - working wavelength range without taking into consideration the coatings ** - according to coatings applied</p>	

