πShaper 7_7_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.

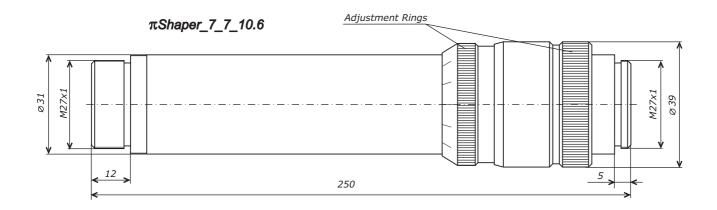
Almost the same effective sizes of input and output beams (diameter 7 mm) let it easy to integrate π *Shaper* in your application.

Beam Shaping never was so easy!

No more losing of energy!

Technical Specifications

Input beam	Gaussian, diameter 7 mm (1/e²)
Output beam	- Collimated - Flat-top, uniformity within 5% - Diameter 7 mm - High edge steepness
Туре	Telescope of Galilean type (without internal focus)
Operating wavelength range*	9400-11000 nm
Other features	- Compact design suitable for scientific and industrial applications - Long working distance
Optimum wavelength**	10600 nm
Design wavelength	10600 nm
Overall dimensions	- Diameter 39 mm - Length 220 mm
Weight	< 250 g
Mounting	Outer Thread M 27x1
Applications based on	CO ₂ lasers
 * - working wavelength range without taking into consideration the coatings ** - according to coatings applied 	





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