

π Shaper 5_6

Series of high efficient Homogenizers to transform Gaussian to Flattop profile of laser beams of Visual and UV spectrum



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

π **Shaper** produces collimated Flattop beam (similar 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 approx. 6 mm) let it easy to integrate π **Shaper** to your application.

Originally designed as achromatic each model of the π **Shaper** can work simultaneously with various lasers of corresponding spectrum.

Beam Shaping never was so easy!

No more losing of energy!



Technical Specifications:

Common for all <i>πShaper 5_6</i> models:		
Type	Telescope of Galileian type (without internal focus)	
Operating wavelength range*	250 - 700 nm	
Other features	<ul style="list-style-type: none"> - Achromatic for design wavelengths - Compact design suitable for scientific and industrial applications - Materials of lenses CaF₂, Fused Silica - Long working distance 	
Overall dimensions	<ul style="list-style-type: none"> - Diameter 39 mm - Length 155 mm 	
Weight	< 250 g	
Mounting	M27x1	
Features		
Model	<i>πShaper 5_6_262</i>	<i>πShaper 5_6_VIS</i>
Input beam	Gaussian, diameter 5,6 mm (1/e ²)	Gaussian, diameter 5,8 mm (1/e ²)
Output beam	<ul style="list-style-type: none"> - Collimated - Flattop, uniformity within 5% - Diameter 5,8 mm - High edge steepness 	<ul style="list-style-type: none"> - Collimated - Flattop, uniformity within 5% - Diameter 6 mm - High edge steepness
Optimum wavelength range**	250-270 nm	340-560 nm
Design wavelengths	258-266 nm	355-532 nm
Applications based on	UV-lasers	2nd, 3rd Harmonics Nd:YAG Lasers of visual range
* - working wavelength range without taking into consideration the coatings		
** - according to coatings applied		

