OUR PRODUCTS



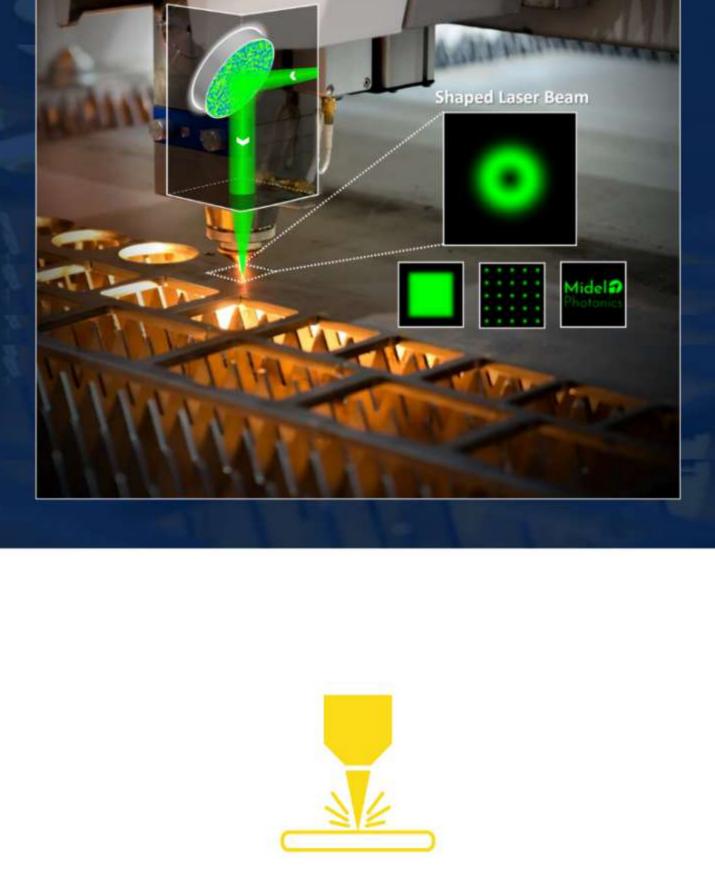
Splitters by Midel Photonics We manufacture laser beam shapers and splitters for your needs. All our products are based on High-Power-Laser-Mirrors with an all-

reflective Design made for NextGen Laser Manufacturing - High-Power, High Energy, Shorter Wavelengths, and tailor-made beam

shapes. » All our beam shapers & splitters utilize the power of Diffractive Optics to efficiently redistribute laser light into the new shape « Just replace an existing beam steering mirror with our products and you are good to go - We include your angle-of-incidence and beam

diameter in the design of the product.

Beam Shaper





laser system and quickly delivered.

All our beam shapers & splitters utilize the power of Diffractive Optics to efficiently redistribute laser light into the new shape

State-of-the-art Quality



Control your beam shape at the workpiece in x and y direction. Possible shapes include flat tops (square &

Beam Shapers

round), axicons, donuts, ring-spot-combinations and more.

Examples:

Flat Tops

20µm

Homogeneous Intensity: Large

Scale down to the Diffraction

Limit

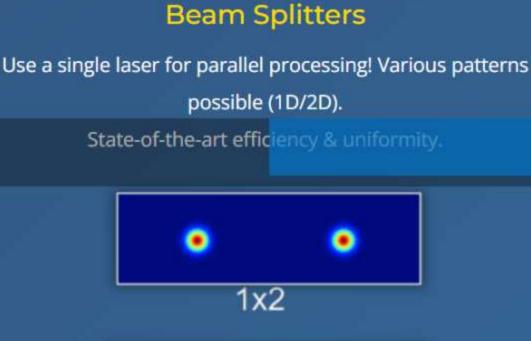


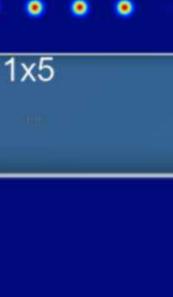
50/50

Center

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Your Ratio!







51x51

Compatible with Leading Laser Types and Applications

continuous-wave lasers up to multi kilowatt regime. Laser wavelengths support: UV (343/355nm), Blue (450nm), Green (515/532nm). Infrared (1030/1064nm) is currently in prototyping phase. Further wavelengths are available on request.



Copper

(Engines,

Glass

(Display,

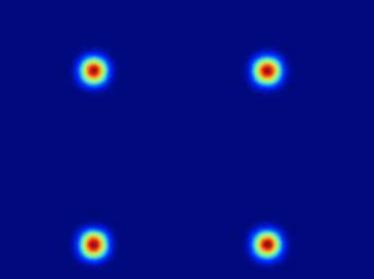
Fits Industrial Standards Our products come in sizes of one and two inch

(25mm/50mm). Further diameters or geometries are available on request. 25mm/1" ← 50mm/2"->

Next-Level Laser Applications Use our beam shapers & splitters to increase precision, reduce defects and speed up you processes. Tailored to Your Needs No compromises, no waiting & simple integration! Made for your

Axicons Donuts Create Dark Beam **Bessel Beams**





2x2



Combined Shaping & Splitting

Multiple shaped beams? We combine both in one product!

Example: 1×2 Flat Top Shaper

100µm

Elongated Focal Region

Shaping along z-Axis

You need to elongate your focal region? We include it in our

product!

Example: z-Shaper

Our beam shapers & splitters are made for high energy ultra-short-pulse lasers (down to 300 fs) and high power

Steel,

Aluminum