

quattroXX

Lossless beam splitting for multi kW lasers

Applications:

- Welding
- Cladding
- Brazing

Features:

- Splitting in 4 spots
- High transmission
- Lossless operation
- CA up to 48 mm
- TEM₀₀ and multimode lasers
- Power up to 6 kW
- Reduced thermal effects
- Operation with scanners
- Spectrum: NIR, VIS, NUV



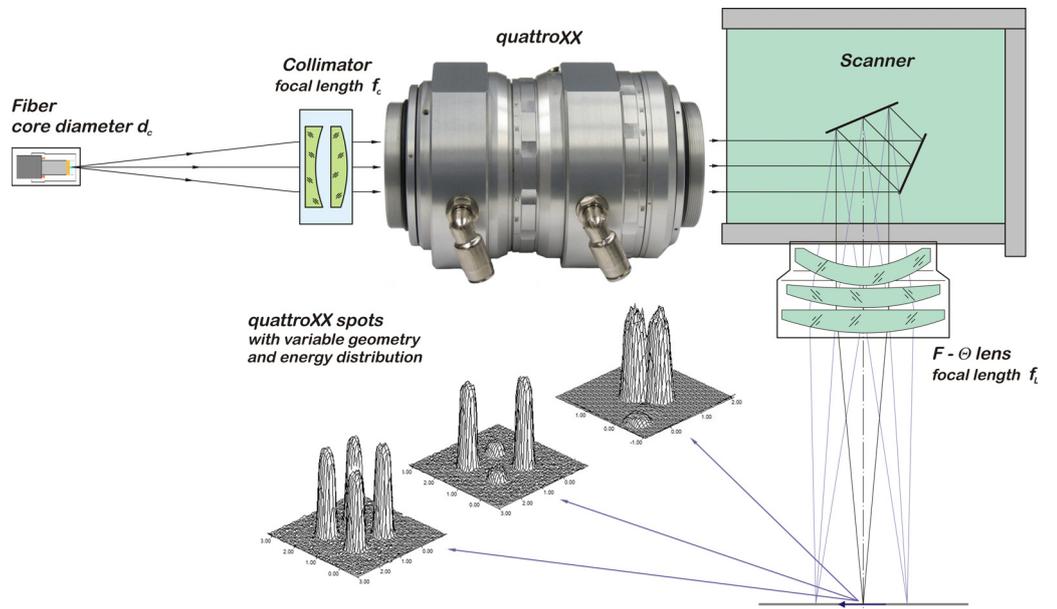
Specifications

Common for quattroXX optics							
Description	<ul style="list-style-type: none"> • lossless beam splitting in several foci perpendicular to axis • to be applied between a Collimator and a Focusing Lens • can be used with scanning optics • variable quattroXX-spot layouts, incl. Doughnut-like • independence of operation from beam quality and size • spectrum: near-IR, visible (incl. 450 nm, 515 nm), near-UV 						
Number of foci	4						
quattroXX-spot layouts	Square, Rhomb, Line						
Input	Collimated or low divergent/convergent beam						
Laser	multimode or TEM ₀₀ , any M ² or BPP, any beam size within clear aperture						
Angular field of view	± 3°						
Water cooling	by 6-1/8 fittings						
Recommended maximum power	6 kW						
Features							
Model	Spectral band nm	Splitting angle, mrad		CA, mm	Diameter mm	Length mm	Mounting
		square side	diagonal				
quattroXX 4_D48_1070	1065 - 1075	2.76 x 2.76	3.9	48	94	140	M58x1
quattroXX 4_D48_1030	1025 - 1035						
quattroXX 1.9_D48_1080	1075 - 1085	1.33 x 1.33	1.88				
quattroXX 1.9_D48_1030	1025 - 1035						
quattroXX 0.754_D48_1070	1065 - 1075	0.533 x 0.533	0.754				
quattroXX 0.754_D48_1030	1025 - 1035						
quattroXX 6_D29_1064	1060 - 1073	4.25 x 4.25	6	29	75	138	M47 x 0.75
quattroXX 8_D29_1064	1060 - 1073	5.68 x 5.68	8				

Specifications are subject to change without notice

Beam Shaping of multi-kW lasers never was so easy!

quattroXX
in optical system
with scanning optics



Examples of quattroXX-spots

