



CORErapid Series Scanning Interference Laser Modules

Specifications

	IR30.4	IR30.2	VIS30.4	VIS30.2	UV20.4	UV20.2
Wavelength	1064 nm	1064 nm	532 nm	532 nm	355 nm	355 nm
Spatial period 4 beams	6 - 26 μ m	--	3 - 13 μ m	--	5.6 - 14 μ m	--
Spatial period 2 beams	4.2 - 18 μ m	4.2 - 18 μ m	2.1 - 9 μ m	2.1 - 9 μ m	3.9 - 10 μ m	3.9 - 10 μ m
Pattern type	lines / dots	lines	lines / dots	lines	lines / dots	lines
Scan field size (max.)	65 x 65 mm	65 x 65 mm	65 x 65 mm	65 x 65 mm	65 x 65 mm	65 x 65 mm
Two-beam efficiency	50 %	100 %	50 %	100 %	50 %	100 %
Working distance	129 mm	129 mm	138 mm	138 mm	193 mm	193 mm
Scanning speed	< 6 m/s					
Pulse duration	> 1 ps					
Dimensions	410 x 160 x 470 mm					
Weight	20 kg	18 kg	20 kg	18 kg	20 kg	18 kg

Characteristics

- Integratable in laser marking systems
- Microstructure size adjustable via software
- Variable marking spot size
- Optional MOF function (Marking On the Fly)

Applications

- Decoration, holograms and matting
- Light guiding
- Wetting control and self-cleaning
- Biocompatibility