



## CORErapid Series Scanning Interference Laser Modules

### Specifications

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