

Scan

Micromachining scan head

Designed to fulfill the need for accuracy and speed required in ultrafast material micro-processing, SCAN is a machining head using a sophisticated moving mirror/lens technology for three dimensional material processing.

SCAN is available with various focal lenses and apertures. Very low power consumption and heat generation improves thermal drift, while reduced motor weight enables acceleration ramps 20% higher than traditional solutions.

- # 1 Designed for ultrafast laser
- # 2 High repeatability
- # 3 Low thermal drift
- # 4 Low tracking accuracy



Specifications

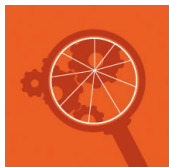
	SCAN 10	SCAN 15	SCAN 20
Scanner aperture	10 mm	15 mm	20 mm
Angular excursion		640 mrad	
Wavelengths available		343 nm or 515 nm + 1030 nm	
Minimum scanning tracking error	80 μ s	110 μ s	160 μ s
Maximum scanning speed		8 m/s (with 160 mm F-Theta lens)	
Z scan		Optional	
Z scan excursion (mm)		600 x focal length ² (in mm)	
External size (W x H x D)		14 x 13 x 12 cm	
Connection PC/PLC - Scanner		Ethernet cable	
Power supply		12V DC - 1A	
Focal lens	Telecentric F-Theta and F-Theta lenses from 60 mm to 160 mm Cutting nozzles available upon request		



Specifications are subject to change without notice.

MODULES | EXTENSIONS

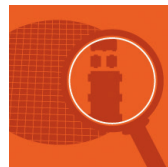
Applications



MicroMachining



Medical Device
Manufacturing



Microelectronics

