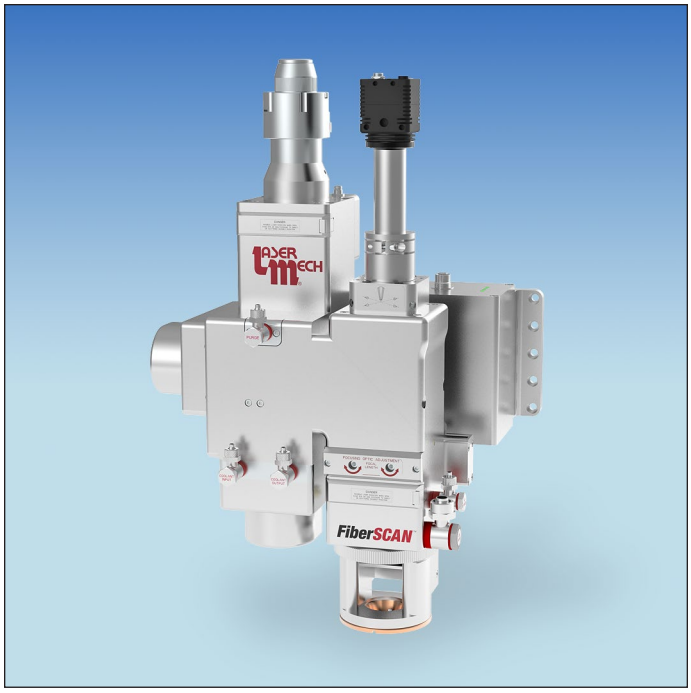
FiberSCAN™ MP

Laser Mechanisms' FiberSCAN™ MP is a scanning head for mid-power laser sources including Fiber, Disk and Diode lasers. Available for collimated beams up to 30 mm diameter, FiberSCAN™ MP can deliver 10+ kW of laser power to any point within the system's field of view. The rugged design is optimized for the long processing times required in applications such as continuous welding on roll forming systems and additive manufacturing of size-able structures. In addition, high-speed operation up to1 kHz in a smaller field enables wide gap seam welding and laser stir "wobble" welding of materials.



Laser Mechanisms' FiberSCAN™ MP provides a solution for mid-power scanning, stirring, wobbling or spot welding.

Features

- For all leading fiber-delivered laser systems up to 10+ kW
- Focusing lenses from 200 mm - 1000 mm
- Temperature monitored optics
- Cover glass contamination monitoring/warning
- Quick and easy access to the cover slide (no tools required)
- Cross-flow air knife with 360° adjustment
- All optics are housed in environmentally-sealed compartments to prevent contamination from process smoke and debris
- Stainless steel cooling passages

Specifications

Laser Power	10+ kW
Scan Motion	Programmable frequency & waveform with feedback
Scan Frequency (depends on feature size)	up to 1 kHz for 1 mm circle
Shapes	Standard shape library with custom shape capability
Field of View (depends on focal length)	Ø12 mm for f=300 mm (11.8")
Seam Tracking	Optional
Dimensions	450 x 310 x 240 mm3 (17.7" x 12.2" x 9.5")
Weight	~13 kg (~28.7 lbs.)

Specifications subject to change without notice.

SCANNING SOLUTIONS

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October 2024