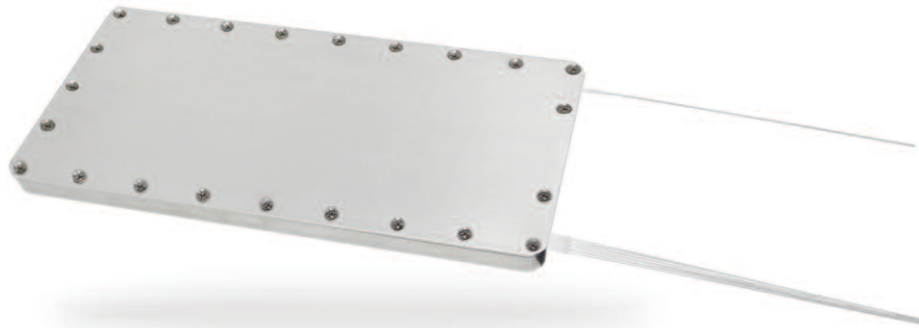




A Furukawa Company

Your Optical Fiber Solutions Partner®

# TrueM2™ Fiber Laser Beam Combiners

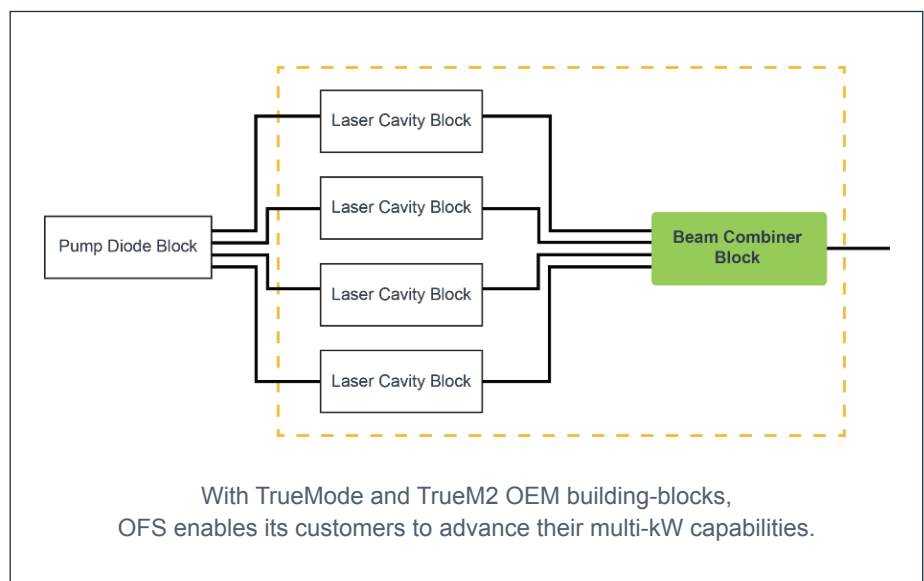


For multi-kW power levels, beam combining has become the method of choice to reach higher powers as needed. This modular approach offers many benefits in terms of building, spare provisioning, and future upgrades. OFS' TrueM2 Beam Combiners provide a practical means of scaling with only a few simple splices.

OFS' TrueM2 Beam Combiners offer two ways to reach multi-kW power levels: You can build with matching TrueMode™ Fiber Laser Cavities from OFS, or combine your existing fiber lasers with matching output.

All TrueMode Fiber Laser Cavity building blocks can be equipped with a singlemode output fiber, ready for direct coupling to a

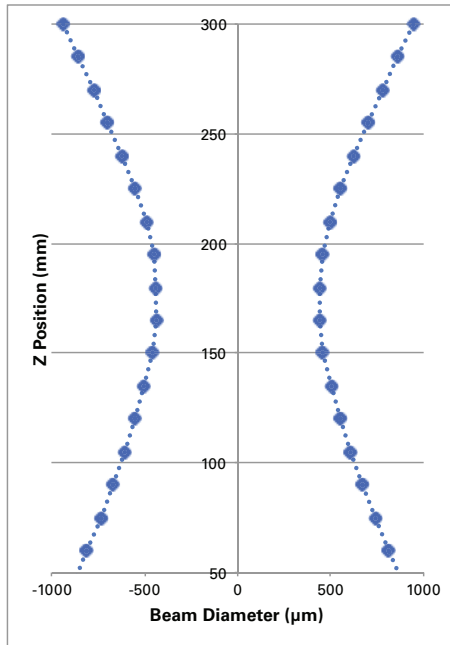
matching TrueM2 Beam Combiner. This truly single-mode operation helps ensure a low loss connection, which reduces instabilities and feedback effects.



With TrueMode and TrueM2 OEM building-blocks, OFS enables its customers to advance their multi-kW capabilities.

	TrueM2-14 4x1	TrueM2-14 6x1
Optical power rating (total)	≤4 kW	≤6 kW
Transmission performance	>95%	
Number of inputs	4	6
Visible pilot input ports	1 (6/125)	1 (14/200)
Nominal Input fiber MFD (μm)	14	
Cladding diameter (μm)	200	
Max. input power (per port)	1100W	
Output fiber type (μm)	50/360	100/360
NA	0.22	
Beam parameter product	2-3 mm-mrad	3-4 mm-mrad
Integrated thermal monitors	10-pin connector	
Transport and storage (temp/RH)	-20 to 60 °C (Non-condensing under operation and storage)	
Approximate dimensions (mm)	300 x 150 x 15	
Item #	<b>7000300</b>	<b>7000390</b>

Measured Beam Quality (6X1 TrueM2-14)  
BPP = 3.2 mm-mrad



Integrated Thermal Sensor for Installation and Monitoring

