

Only for Multi-mode Fiber Laser  
**MIRAMOTION®**  
 3D Galvano Head Unit <MODEL: YD – 3000 M>

For High Power Multi-mode Fiber Laser Only  
 3D Galvano Head Unit



**Features**

- ☞ Laser power: up to 8 kW
- ☞ Optical magnification: 2.4 times / 3.8 times / 5.0 times selectable
- ☞ Can be used for the welding and machining of 3-D works by the auto-focusing mechanism of the Z-axis
- ☞ Suppression of the thermal lens effect
- ☞ In combination with YASKAWA MOTOMAN(robot), "On-the-fly" welding is available

Optical Magnification (※)	2.4 times	3.8 times	5.0 times
Processing Area	158 × 142mm	256 × 240mm	336 × 320mm
Focal Position Area (Z direction)	±50mm	±100mm	±150mm
Working Distance	263.7mm	523.7mm	688.7mm
Repetitive Positioning Accuracy	±20μ m	±25μ m	±35μ m
Peripheral Part SPOT Diameter Ellipticity (Long Diameter)	Within 5%		
Unit Weight / Dimensions	About 24kg / W189 × H400 × D325mm (Without Air Knife and Nozzle)		

- (\*) Connection laser fiber core diameter × optical magnification = SPOT diameter of the workpiece surface
- For details SPEC, refer to the specifications of each product.
  - Product specifications are subject to change without prior notice.

Only for Single-mode Fiber Laser  
**MIRAMOTION®**  
 3D Galvano Head Unit <MODEL: YD – 3000 S>

For High Power Single-mode Fiber Laser Only  
 3D Galvano Head Unit



**Features**

- ☞ Laser power : up to 3 kW
- ☞ Optical magnification: 1.5 times / 2.0 times / 3.0 times selectable
- ☞ Can be used for the welding and machining of 3-D works by the auto-focusing mechanism of the Z-axis
- ☞ Suppression of thermal lens effect
- ☞ In combination with YASKAWA MOTOMAN(robot), "On-the-fly" welding is available

Optical Magnification (※)	1.5 times	2.0 times	3.0 times
Processing Area	150 × 134mm	210 × 194mm	310 × 294mm
Focal Position Area (Z direction)	-40/+35mm	±70mm	±150mm
Working Distance	248.7mm	388.7mm	628.7mm
Repetitive Positioning Accuracy	±10μ m	±15μ m	±20μ m
Peripheral Part SPOT Diameter Ellipticity (Long Diameter)	Within 5%		
Unit Weight / Dimensions	About 25kg / W189 × H585 × D325mm (Without Air Knife and Nozzle)		

- (\*) Connection laser fiber core diameter × optical magnification = SPOT diameter of the workpiece surface
- For details SPEC, refer to the specifications of each product.
  - Product specifications are subject to change without prior notice.