



YLS SERIES POWER SUPPLY FOR FIBER LASER CUTTING 2000-10,000 kW

IPG Photonic's high power CW Ytterbium Fiber Laser YLS series are compact, rugged, and efficient power supply systems for industrial applications.

FEATURES AND BENEFITS:

- **Plug and play design.**
- **Excellent cutting and marking quality.**
- **Different models available from 2000-8000 watt systems.**
- **20 meter (65.6') fiber cable included providing for an extremely large cutting area and flexibility in the placement of the unit.**
- **Three times more efficient than CO₂ lasers.**
- **Does not require laser gas, making for cost saving operation.**
- **Cutting speeds comparable to CO₂ lasers.**
- **Produces virtually dross-free cuts.**

SYSTEM DESCRIPTION

IPG Photonic's high power CW Ytterbium Fiber Laser YLS Series systems are created from active optical fibers and semiconductor diodes; merging two of the most innovative and advanced laser technologies. Fiber lasers use single emitter semiconductor diodes as the light source to pump the active fibers. The laser beam emitted is contained within optical fibers and delivered through an armored flexible cable. Active fibers, special optical fibers doped with rare earth ions, allow for an extremely bright light from a very small core, thus making possible the production of kilowatt class output with excellent beam quality.

APPLICATION

Available on the MetalMaster Xcel machine model.

CUT PLATE MEASUREMENTS

Series	Mild Steel	Stainless Steel	Aluminum
2000	up to 5/8"	up to 1/2"	up to 7/16"
3000	up to 3/4"	up to 5/8"	up to 1/2"
4000	up to 3/4"	up to 5/8"	up to 1/2"
5000	up to 3/4"	up to 5/8"	up to 1/2"
6000	up to 3/4"	up to 5/8"	up to 1/2"
8000	up to 3/4"	up to 5/8"	up to 1/2"
10,000	up to 1"	up to 1"	up to 3/4"

Actual results may vary based on gas purity, material quality or other conditions on site.



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