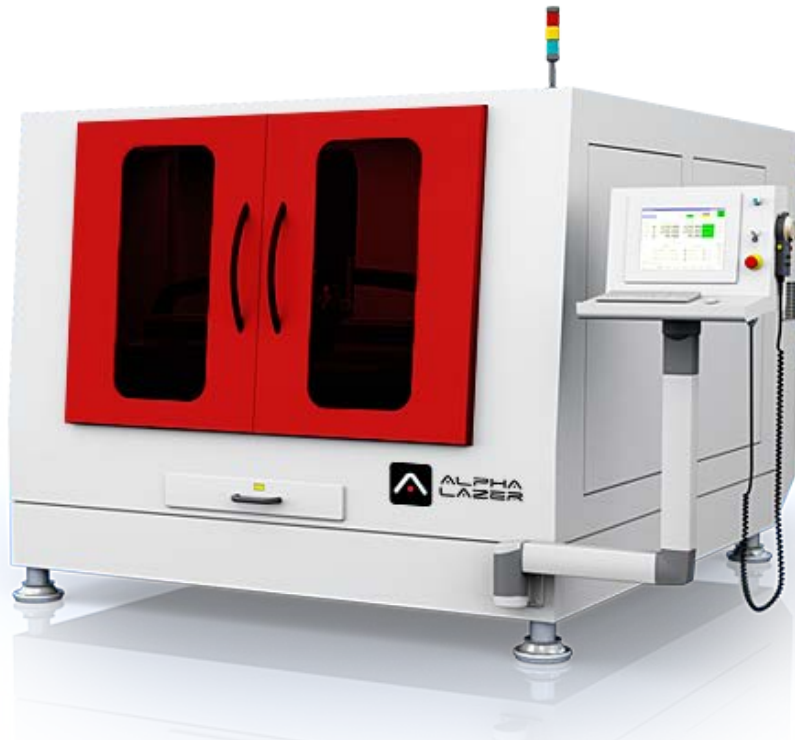


FIBER C - Flexible and compact solution

Fiber laser cutting solution optimized for smaller parts and fine machining



The Alpha Lazer® FIBER C is a compact fiber laser cutting solution that is perfect for smaller parts and fine machining. It has a small footprint, is virtually maintenance free and has a professional grade frame.

- IPG Photonics YLR (500W) or YLS series (1kW to 4kW)
- IPG FLC-D30 cutting head
- Linear motion on all axis
- Intuitive HMI for CNC machine control
- Granite construction for maximum stability
- Access on three sides for easy loading / unloading
- Small footprint (72 sq.ft.)
- Low power consumption

FIBER C SPECIFICATIONS

Equipped with 4kW laser source

Cutting dimensions:	4' x 4'
Type of focus	Automatic
Available output power	400-4000 W
Mild steel max thickness	0.787"
Stainless steel max thickness	0.393"
Aluminium max thickness	0.472"
Brass max thickness	0.197"
Copper max thickness Other	0.236"
power sources available	0.5, 1, 2, 3, 4 kW



ALPHA
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FIBER C - Flexible and compact solution

SPECIFICATIONS:

CONSTRUCTION:	Unitized system, granite base for maximum stability Compact construction, small footprint The design guarantees accurate parts even when cutting at the fastest speeds and highest accelerations
DIMENSIONS:	4' x 4'
CUTTING SPEED:	Up to 2400 IPM, depending on laser source and material thickness
MAXIMUM TRAVERSE SPEED:	Up to 6000 IPM
REPEATABILITY:	0.0002"
POSITIONING ACCURACY:	0.001"
MATERIAL SUPPORT:	Downdraft
GANTRY:	Lightweight construction for maximum speed
MOTORS:	Akribis high performance linear motor eliminates all of the maintenance and wear issues of ball screws. Allows for short, rapid movements for small parts cutting
CNC CONTROLLER:	Intuitive ACS HMI CNC controller Windows based interface Multiple screens for easy programming Editable materials and laser parameters database Two programmable assist gas pressure controls
POWER SOURCE:	IPG Photonics YLR source 0.5kW (air cooled) or YLS series 1 kW / 2 kW / 3 kW / 4 kW (water cooled)
CUTTING HEAD:	IPG FLC-D30 Cutting Head, integrated capacitive height sensor, no maintenance required
CAD / CAM SOFTWARE: (OPTIONAL)	SIGMATEK



**ALPHA
LAZER**™

Alpha Lazer

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Machine models and specifications
are subject to change without notice.
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