

CUTTING, POSITIONING & WELDING EQUIPMENT

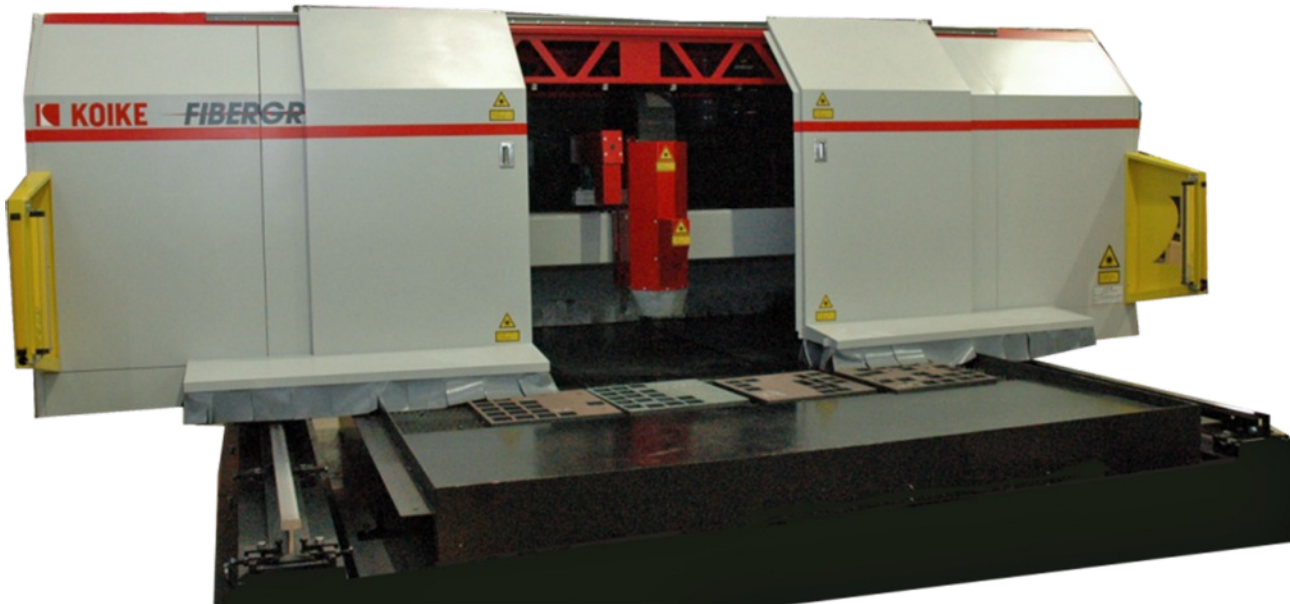
FIBERGRAPH

CNC FIBER LASER CUTTING MACHINE



Koike Aronson, Inc./Ransome

FIBERGRAPH



Double Shielding Covers Shut in Harmful Reflected and Scattered Light

The FIBERGRAPH is a gantry-style cutting machine that uses advanced fiber laser technology. FIBERGRAPH machines deliver excellent cut quality on mild steel while using just a third of the electricity of a CO₂ laser at the same cutting speeds. Two sizes of FIBERGRAPH are available: the 2kw model cuts mild steel in thicknesses of 1/8" (3.2mm) to 3/4" (19mm); the 5kw model cuts thicknesses up to 1" (25mm). Standard safety features include a torch cover and machine enclosure. The shielding wall around the machine can be customized to the user's requirements.

FIBERGRAPH machines have been in use in Japan since 2013, and they have proven themselves to be dependable and less costly to operate than CO₂ lasers. More than 20 metal cutting operations are currently using FIBERGRAPH systems worldwide. Koike Aronson now brings the advantages of FIBERGRAPH to North America.



2kW/5kW SPECIFICATIONS

FIBERGRAPH SERIES FEATURES

- **Cutting Thickness**

Mild Steel : 2kW 3.2(1/8) – 19mm 5kW 3.2 – 36mm
 Stainless Steel : 2kW 3.0 – 8mm 5kW 3.0 – 30mm

- **Reduced Piercing Time**

By 1/2 less than our 6kW CO₂ laser.

- **Power Consumption**

Good efficiency of oscillator and chiller unit reduces to 1/3 of power consumption compared with our CO₂ laser.

- **Total Operating Cost**

Since it does not use any laser gas, there is not necessary overhaul of turbo blower, which is high-cost.

In additional, since it does not use any mirror for beam transmission, the periodical cleaning and alignment are unnecessary, the running cost is 1/2 less than our 6kW CO₂ laser.

- **Free Setting of Cutting Width and Cutting Length**

It supports effective cutting width of 2,500 – 5,500mm, and rail length up to 30,000mm.



MODEL	FIBERGRAPH - 2kW	FIBERGRAPH - 5kW
Oscillator	YLS-2000	YLS-5000
Rated Laser Output	2000W	5000W
Type	Gantry type	
Structure	Standalone Oscillator	
NC Device	FANUC Oi-MD / 31i-LB	
Effective Cutting Width	98.5-216.5 in (2,500-5,500mm)	
Effective Cutting Length	Maximum 1,063 in (27,000mm)	
Maximum Feed Speed	945 in (24m/min)	

Specification are subject to change without notice.



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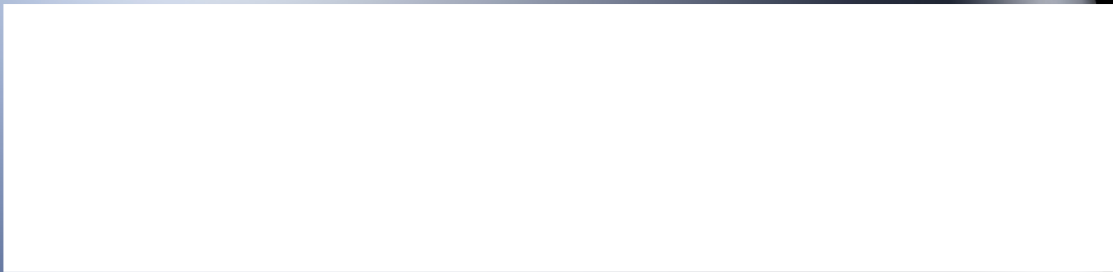
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