



AJAN[®]

FIBER LASER CUTTING MACHINE

(Enclosed Gantry)

Precision • Performance • Power



 www.ajanlaser.com

Since 1973...



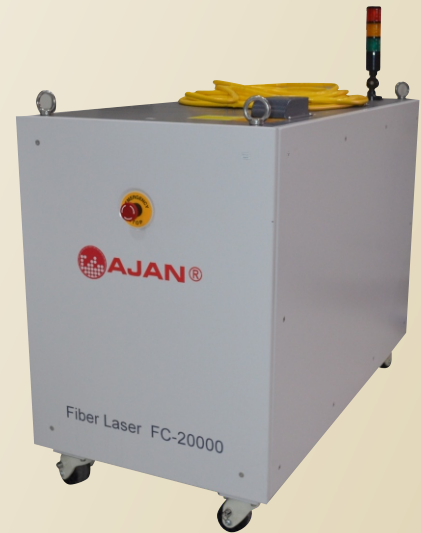
Ajan Elektronik is proud to launch the production and sales of CNC Fiber Laser Cutting Machines, reaching the culmination of fifteen years of meticulous R&D work. This new era reflects our deep roots in the industry and our commitment to advanced technology. With this step that will revolutionize cutting technology, we offer superior quality and precision in processed materials.

This new product line from Ajan Elektronik reinforces our mission of bringing innovative solutions to our customers' needs while continuing our tradition of perfectionism. We shape the future of the industry with our CNC Fiber Laser Cutting Machines. Join us on this exciting journey.

Features

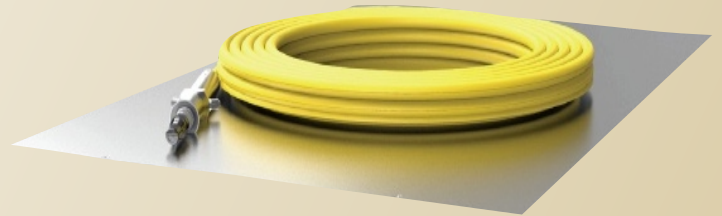
1. Fiber Laser Power Supply (20kW)

- ⊗ High-power multi-mode
- ⊗ Wide modulation-frequency range
- ⊗ Long service life



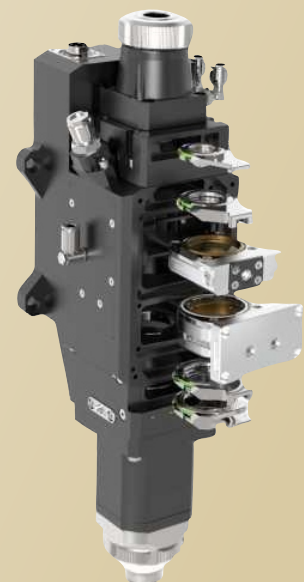
2. Optical Transmission System

- ⊗ Transmits laser over well-coated fiber cable
- ⊗ Maintains good beam quality



3. Auto-Focus Laser Head

- ⊗ Laser head-tracking function
- ⊗ Automatic cleaning
- ⊗ Long service life
- ⊗ Collision protection



Features

4. FSCUT Laser Control System

- ⊗ Remote control support
- ⊗ Ease of use
- ⊗ Edit function with various file extensions
- ⊗ Language option
- ⊗ Parameter control



5. Cutting Machine

- ⊗ Double Layer high-resistance welded sheet metal table
- ⊗ Heat insulation with fire bricks
- ⊗ Partitioned ventilation system
- ⊗ Laser-light protected cabin



6. Cooling System (Chiller)

- ⊗ Max. 170-liter inlet
- ⊗ Water temperature values are adjustable
- ⊗ Analog pressure-values display



Features

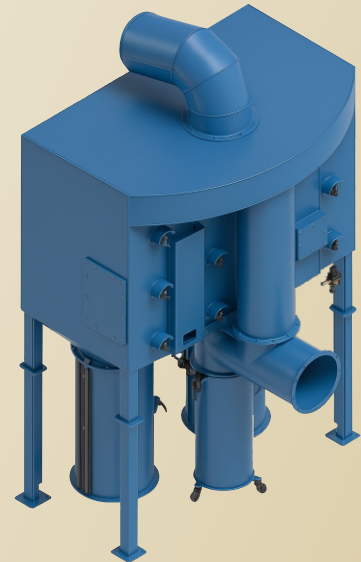
7. Electrical Panel

- ⊗ Delta motor drivers
- ⊗ Windows operating system
- ⊗ PLC control system



8. Jet Filter and Fume Extraction

- ⊗ Wet dust-collection system
- ⊗ Chimney-less smoke extraction



9. Gases Used

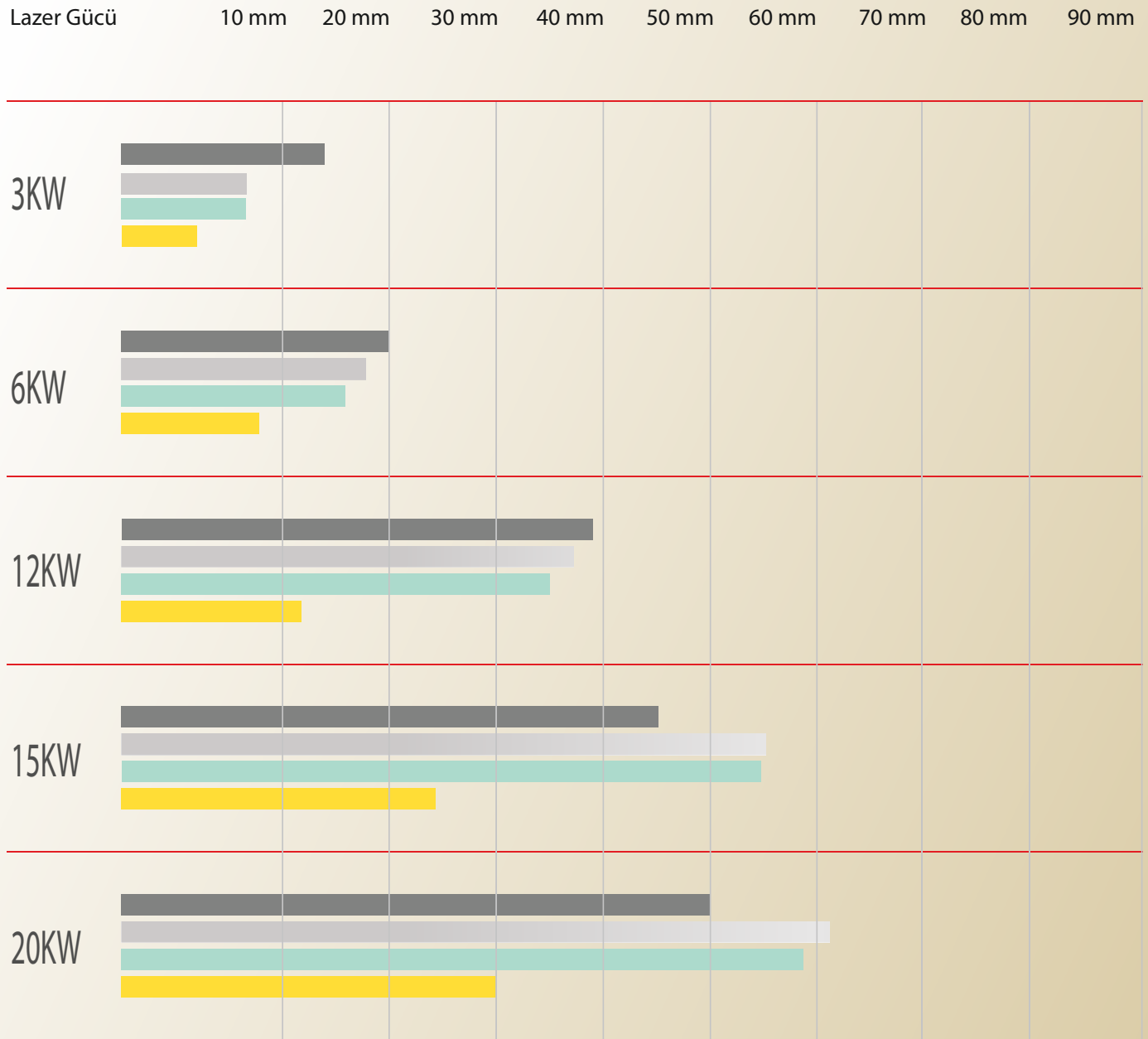
- ⊗ Only Oxygen (O2)
- ⊗ Air (maximum 12 mm)
- ⊗ Nitrogen (N2) stainless and aluminum



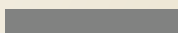
General Specifications		
1	Laser Power	3KW / 6KW / 12 KW / 20KW
2	Z-Axis Travel Height	320 mm
3	X/Y Axis Position Accuracy	±0.03 mm
4	X/Y Axis Repeat Accuracy	±0.02 mm
5	X/Y Maximum Speed	30 meter/minute
6	X/Y Maximum Acceleration	0,8 G
7	Laser Source	RECI
8	Laser Cutting Head	BOCHU Autofocus
9	Body	Ajan Laser
10	X/Y Precision Axis Rail	HIWIN
11	X/Y Precision Axis Rack	Taiwan
12	X/Y/Z Servo Motors and Drives	Delta
13	Reducer	Techmech
14	Elektrical Components	Schneider, Omron
15	CNC Control System	FSCUT
16	Pneumatic Components	Airtac
17	Air Chiller	TEYU S&A
18	Automatic Lubrication System	China

AJAN FIBER LASER CUTTING MACHINE

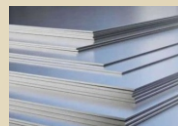
Cutting Capacities



Mild Steel



Stainless Steel



Aluminium

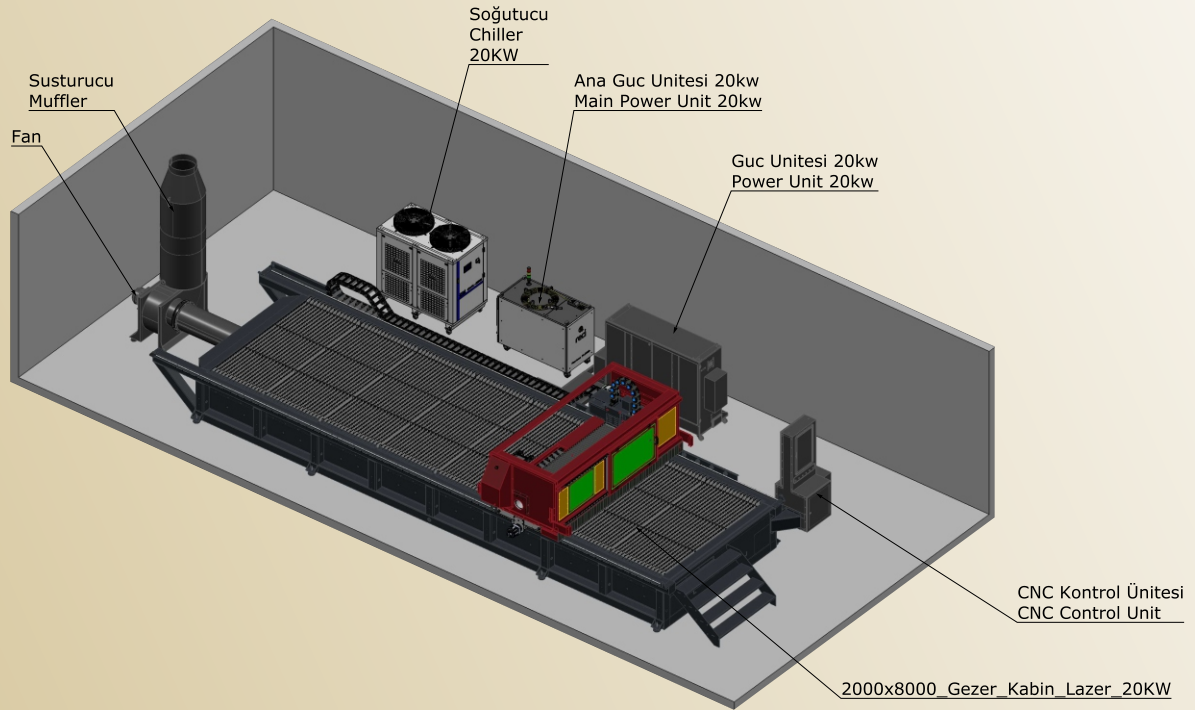
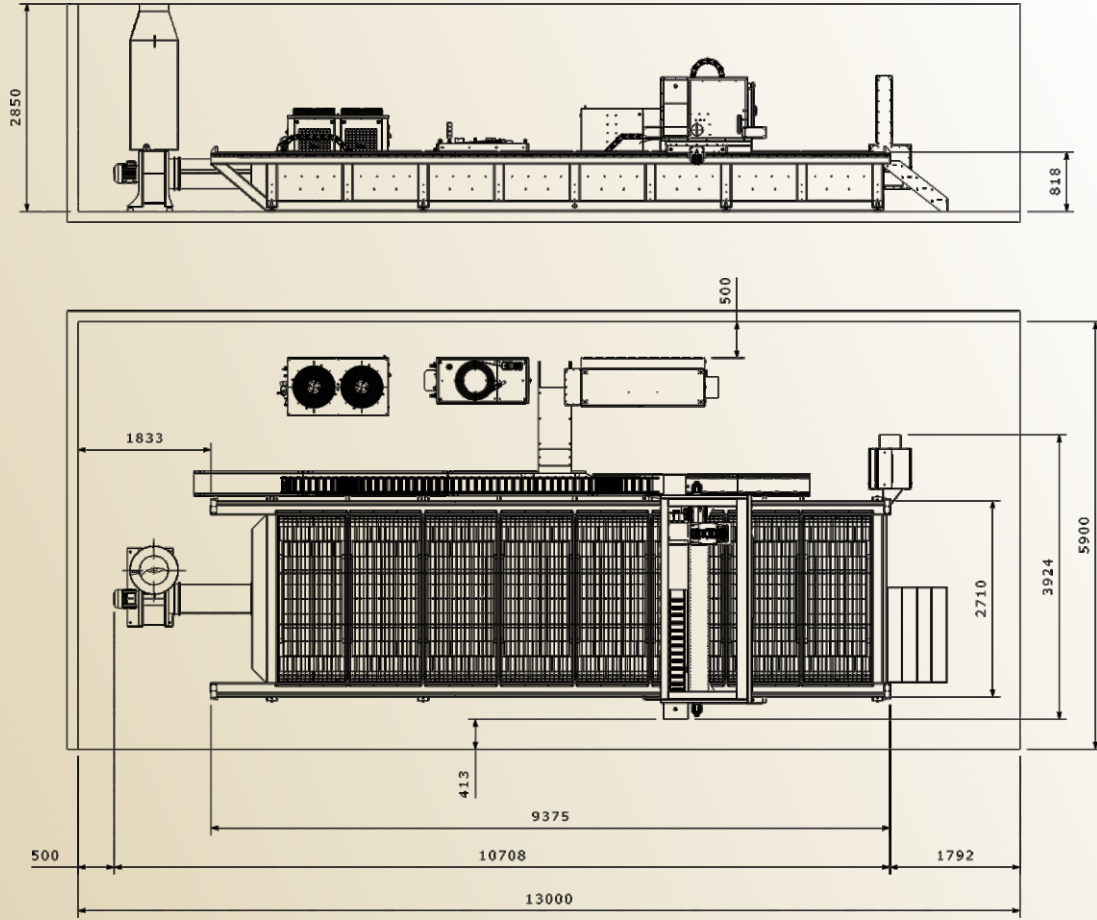


Brass



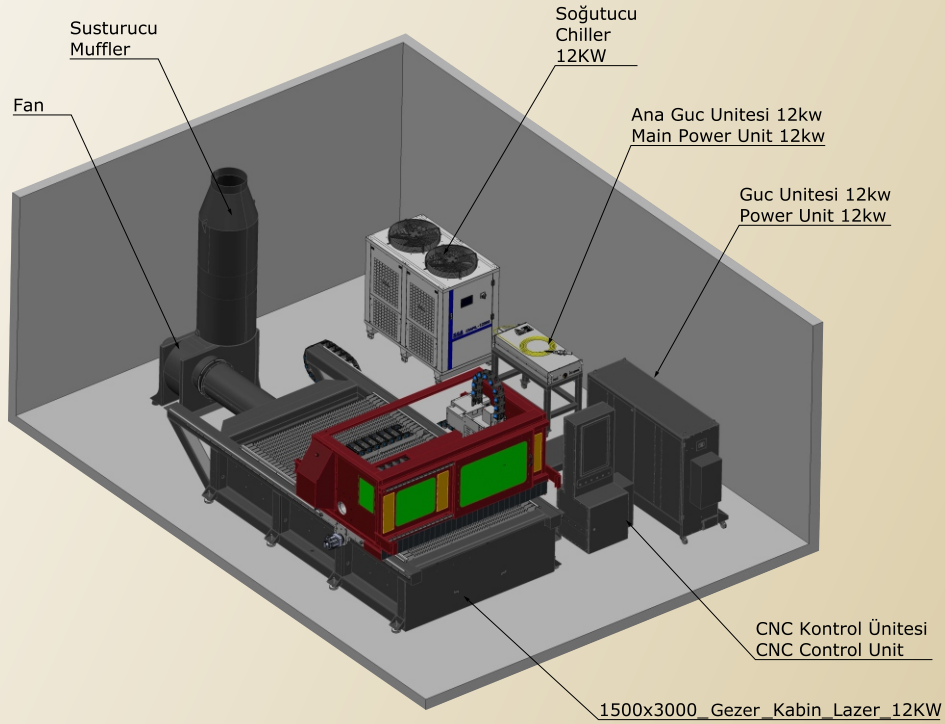
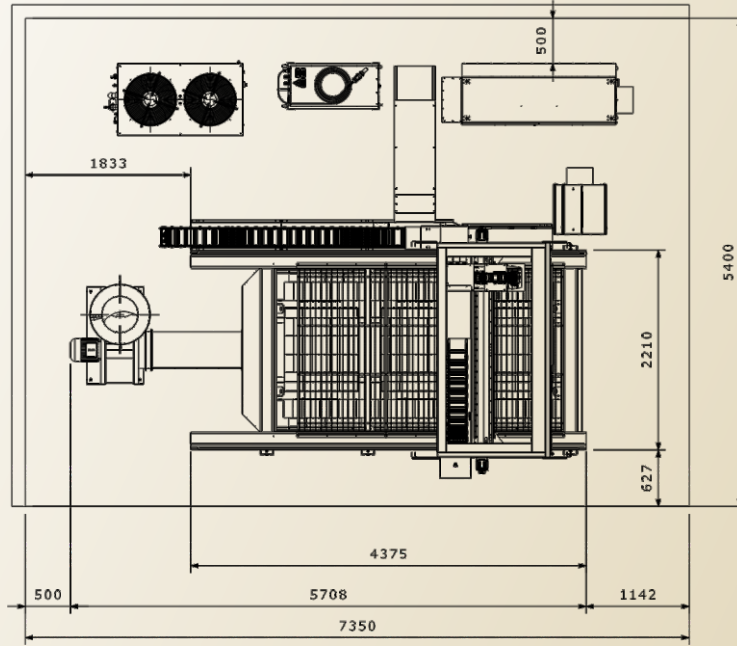
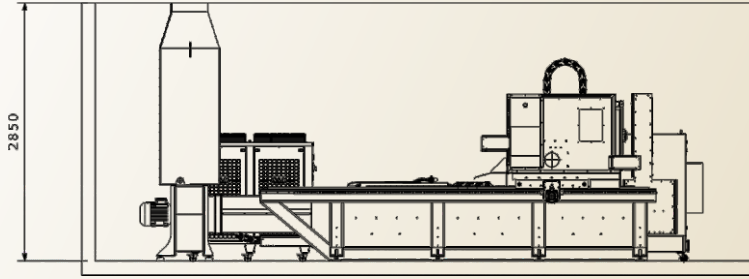
AJAN FIBER LASER LAYOUT PLAN

2000x8000 mm (20kw)



AJAN FIBER LASER LAYOUT PLAN

1500x3000 mm (12kw)



CUSTOMER SERVICE



Our Call Center, designed to understand customer needs, meet their expectations, and enhance the efficiency of their business processes, positions Ajan Elektronik as a reliable partner not only during marketing stages but also in post-sales technical support and services, thanks to our team of expert Customer Service Representatives.

The Call Management Center aims to provide not only service but also high-quality customer service with trained customer representatives. In line with its structure, which aims to continually improve according to customer needs, the Ajan Technical Call Center, which includes self-service channels such as SMS (text message), e-mail, and a staff of highly qualified, highly motivated service personnel, manages all customer contact points through a single center and offers the most effective service in the CNC industry, providing comprehensive after-sales customer service.

To this end, a professional team provides timely solutions to all your questions and problems, such as service requests, product information, technical support, spare-parts orders, and price offers. You can reach our Technical Customer Service at +90 444 25 26 and get support for your technical malfunctions, complaints, information, or service requests.

Contact us to choose the laser product best suited for your business.



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