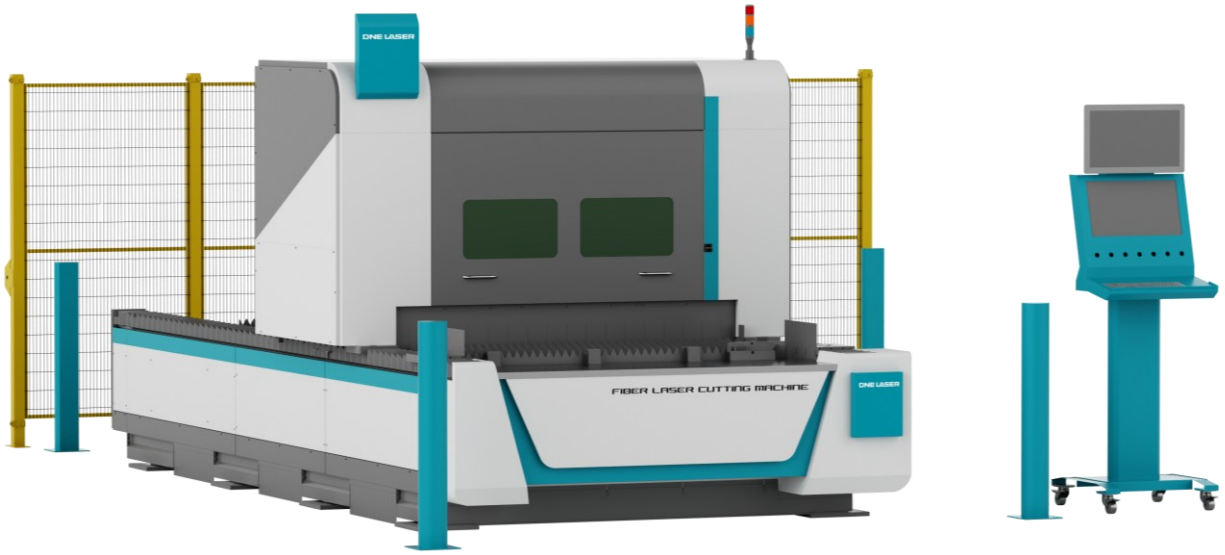
(CE) D-Speed SE

Fiber Laser Cutting Machine

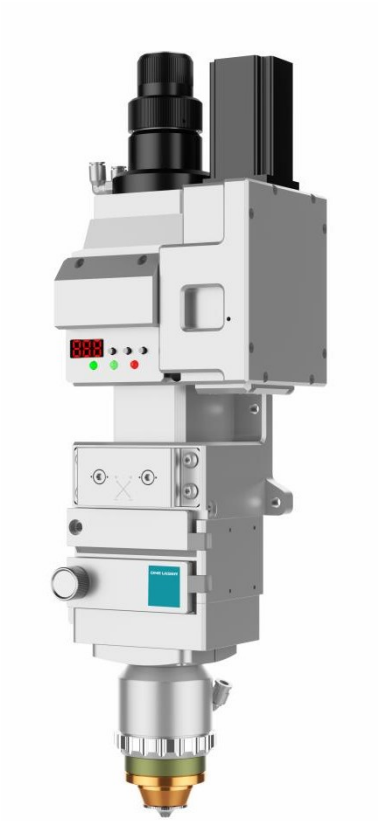




Technical Parameters

Index	Technical parameters			
Laser wavelength	1060 mm-1080 mm			
Format	□1530		□2040	
Effective processing area (mm^2)	3048mm*1524mm		4050mm*2050mm	
Power of laser	□3kW □6kW □12kW		□3kW □6kW □12kW	
Power consumption of complete machine	□3kW	□6kW	□12kW	
	≤30kW	≤40kW	≤70kW	
Please select the above data according to your needs.				
Aiming and positioning	Red light indication			
X / Y axis repeated positioning accuracy	±0.03mm			
X / Y axis positioning accuracy	±0.05 mm			
X / Y axis maximum linkage positioning speed	100m/min			
X / Y axis maximum linkage acceleration	1.0 G			
Drawing formats supported	DXF Auto CAD software			
Power supply	Three-phase five wire AC400V, 50/60Hz			

Key Components: Medium Power Series Cutting Head



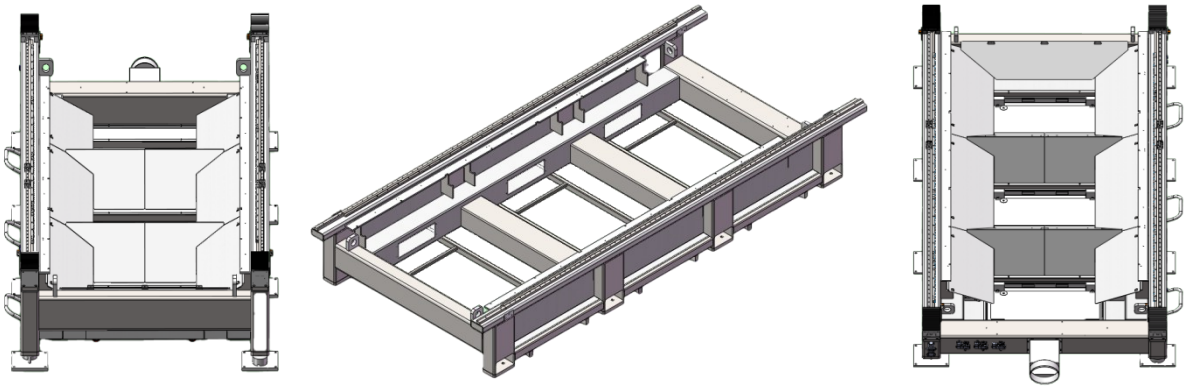
3/6kW： D7F06 ｜12kW:D7F12

- The overall structure has been re-optimized for more stable cutting.
- New protective lens monitoring function, the protective lens in the dust particles, will be timely alarm, to remind the staff to deal with, to avoid splintering the lens and cause losses.
- The alarm threshold is adjustable, which can be adjusted according to the customer's production site requirements to improve the alarm sensitivity and minimize the risk of spattered lenses.
- The alarm will light up red at the cutting head and the display will alert you at the same time for double protection.

Key Components

High-precision tubular welding

Based on the design of engineering mechanics structure, the tubular welding technology is adopted. It can effectively disperse and bear external forces, possess relatively high torsional rigidity, and maintain good stability and reliability in a dynamic working environment.



Adopted with machine frame structure and precise welding technique developed by DNE LASER , entire machine frame is processed through annealing and destressing treatment in CNC electric furnace. Following which, end to end milling by large-scale gantry in a form of heavy rack structure is applied to guide rail foundations.

High Strength Aircraft Aluminum Cutting Bridge

- Advanced mechanical analysis methods are adopted to optimize its structure, enabling it to bear various loads better.
- It has good structural stability. Under the condition of high-speed operation or the action of dynamic loads, it can maintain relatively small vibrations, providing a stable working platform for cutting work, which is beneficial to improving the cutting quality and efficiency.

Key Components

Raycus (standard)	Using the latest research and development of fiber laser, high optical and photoelectric conversion rate, good beam quality, high energy density, wide tuning frequency; maintenance-free, long life, stable performance, safety and reliability.
	Matching and debugging with DNE LASER equipment, the fit is higher, the performance is more stable, the operation is smarter, and the integration is more convenient.
	Provide VIP after-sales service to DNE LASER customers, including free process training and technical support.

Reducer	Reducer benefits from the innovative technology of the supplier. It features high torque, high precision, stable performance, and a longer lifespan. It is more suitable for applications requiring long-term high-speed operation.
Servo Motor	Servo motors have characteristics such as high speed, high precision, high feedback, and high inertia, and can meet the requirements of high quality and high productivity.
Rack	The rack features high wear resistance, precision, smooth operation, and it is difficult for particles to remain between the rack and the pinion. It can maintain precision for a long time and extend the service life.

ΜΕΓΙΣΤΑ ΠΑΧΗ				
Γεννήτρια Laser	**3 kW**	**6 kW**	**12 kW**	**Μονάδα**
Μαύρη λαμαρίνα	16	20	30	mm
Ανοξείδωτο	12	16	30	mm
Αλουμίνιο	8	14	25	mm
Μπρούντζος	8	14	25	mm
Χαλκός	4	8	10	mm