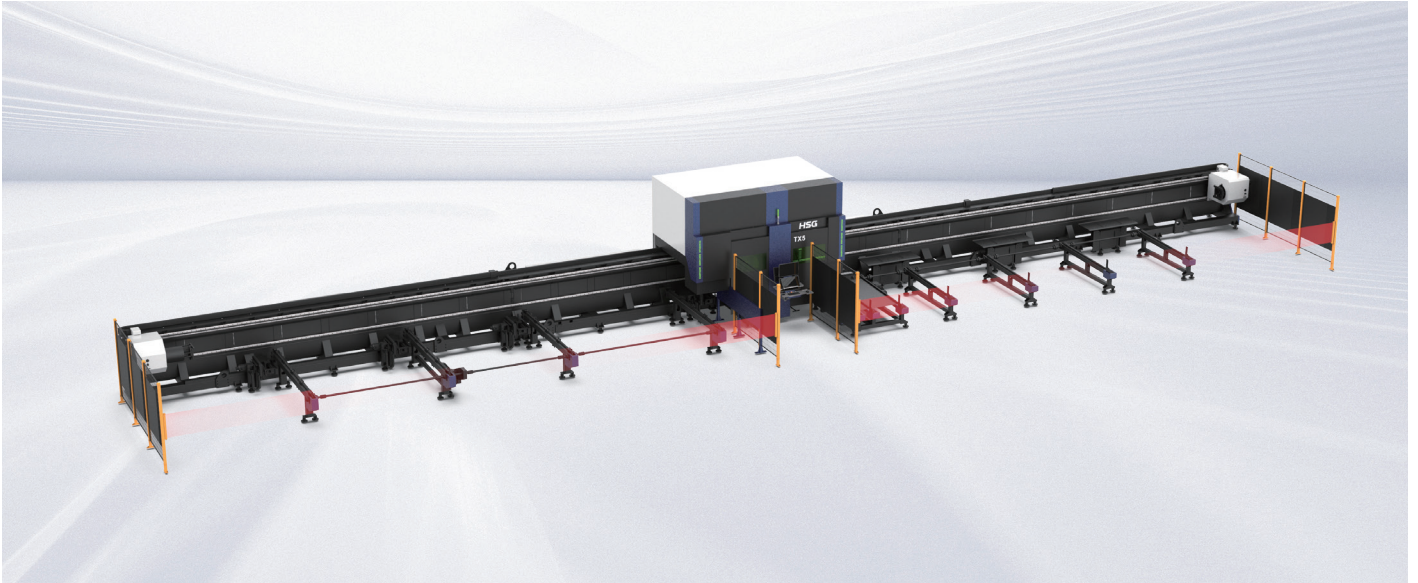


TX5

Heavy-duty Tube Fiber Laser Cutting Machine

NEW BENCHMARK IN LARGE TUBE FIBER LASER CUTTING PRODUCTIVITY



Cutting Head

3D (Optional)

Laser Power

6-20kW

Max Diameter

510mm

Max Single Tube Weight

2,000kg

PRODUCT OVERVIEW

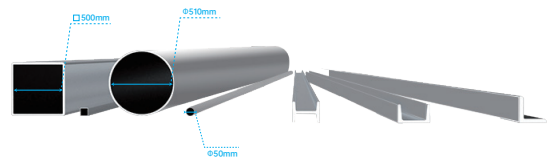
Designed for large-diameter tubes and profiles



HSG TX5 designed to process tubes up to 510mm in diameter and weighing up to 2,000 kg, the TX5 excels in applications requiring robust cutting capabilities, such as construction, aerospace, energy, and transportation. Its advanced automation features and cutting-edge technology ensure seamless integration into modern production lines.

TYPICAL PROCESSING

Unmatched Capability
Versatile Profile



Engineered for versatility, TX5 Series supports cutting round, square, and complex profiles such as channel steel, angle iron, and I-beams, meeting diverse production demands with ease. It handles tubes weighing up to 2,000 kg, accommodates round tube diameters ranging from 50mm to 510mm, and processes lengths up to 12,500mm—all in a single, powerful solution built to streamline operations and enhance efficiency.

SAVE YOUR COST

Easily Process Tubes and Open Profiles

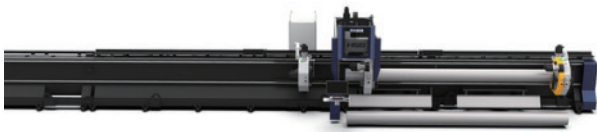
Engineered for versatility, TX5 supports cutting round, square, and complex profiles such as channel steel, angle iron, and I-beams, etc. Meeting diverse production demands with ease.

- > Round tube : $\Phi 50 - \Phi 510\text{mm}$
- > Channel steel : $120 \times 53\text{mm} - 400 \times 104\text{mm}$
- > I-beams : $100 \times 63\text{mm} - 450 \times 154\text{mm}$
- > Square tube : $\square 50 \times 50 - \square 500 \times 500\text{mm}$
- > Angle iron : $50 \times 50\text{mm} - 250 \times 250\text{mm}$
- > HW Steel : $100 \times 100\text{mm} - 400 \times 400\text{mm}$



SAVE YOUR MATERIAL

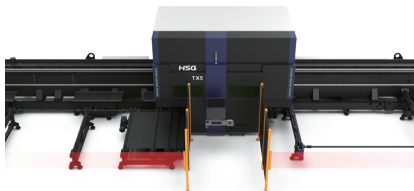
HSG Zero Tailing Technology



HSG's advanced multi-chuck reversig technology eliminates tailing during heavy tube cutting, optimizing material utilization, minimizing waste, and delivering significant cost savings.

CARE YOUR SAFETY

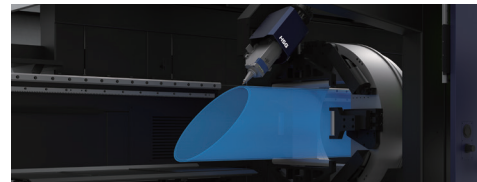
Safety Protection Package (Optional)



Equipped with a top cover for enclosed processing to reduce smoke and maintain a clean working environment. The safety light curtain will prevent any possible collision with human body and protect both workers and the machine well.

SAVE YOUR COST

0-45° Bevel Cutting (Optional)



TX5 offers flexible cutting within a $\pm 45^\circ$ bevel range, enabling precise joint preparation. This reduces the need for additional processing steps, saving both time and labor.

SAVE YOUR TIME

Versatile Automatic Loading (Optional)



TX5 provides reliable support for tube unloading, offering high compatibility with various tube sizes, specifications, and types.

TECHNICAL PARAMETERS

Model	TX5
Laser Power	6-20kW
Cutting Capacity of Round Tube/Square Tube	$\Phi 50 - \Phi 510\text{ mm} / \square 50 \times 50 - \square 500 \times 500\text{ mm}$
Weight of Single Tube	2,000 kg
Chuck Speed	40 rpm
Max Linkage Speed	60m/min
Maximum Acceleration	0.3G
Beveling Cutting	Optional
Control System	HSG - X10000 Bus System

*Information and images are for reference only. Final specifications and terms are subject to the contract and may change without notice.