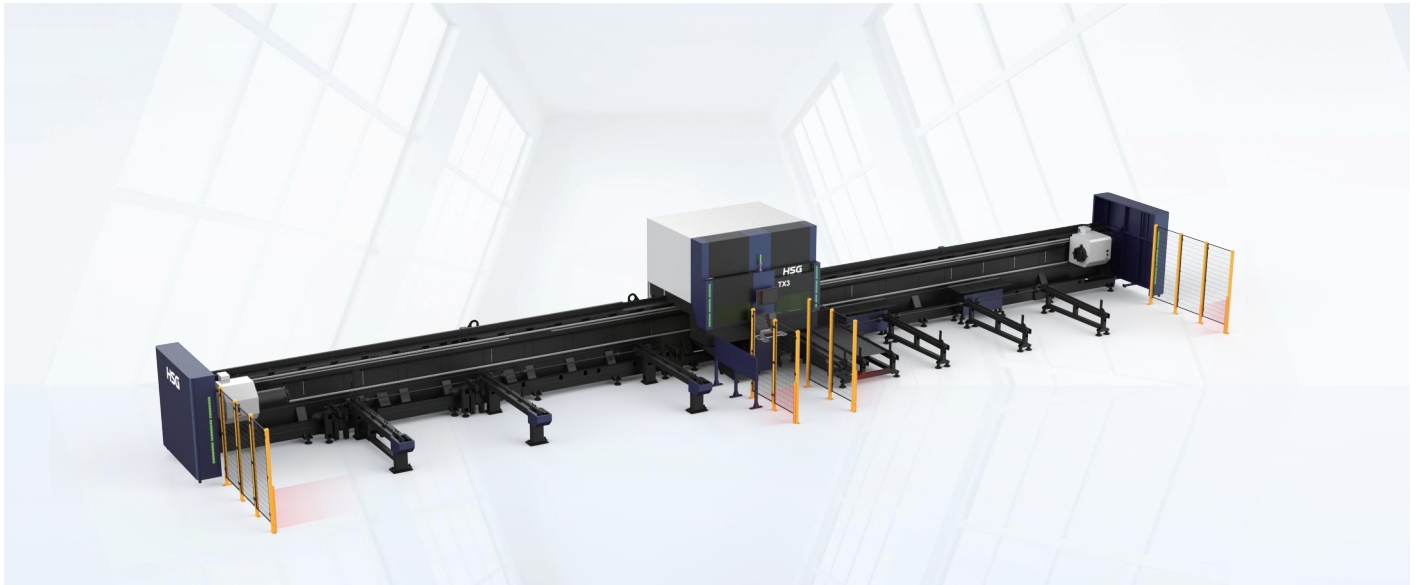


TX3

Professional Heavy-duty Tube Laser Cutting Machine

YOUR TRUSTED LASER CUTTING SOLUTION FOR HEAVY TUBE & PROFILES



Cutting Head

3D(Optional)

Laser Power

6-20kW

Max Diameter

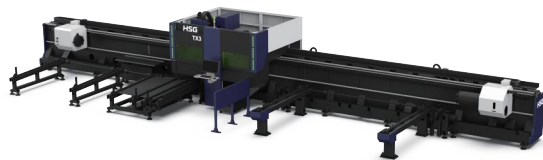
350mm

Max Single Tube Weight

1,200kg

PRODUCT OVERVIEW

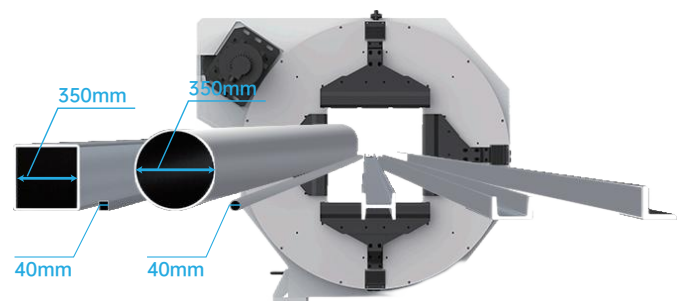
Designed for Heavy-duty
Tubes and Profiles



HSG TX3 designed to process tubes up to 350mm in diameter and weighing up to 1,200 kg, the TX3 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

High Processing Efficiency, Strong
Processing Capability



With the HSG unique intelligent chucks, tubes can be manufactured across the entire clamping range from 40-350mm without the need for retooling. The chuck has good sealing, avoids cutting smoke and slag pollution, and ensures the stability of the equipment and the long service life.

SAVE YOUR COST

Easily Process Tubes and Open Profiles

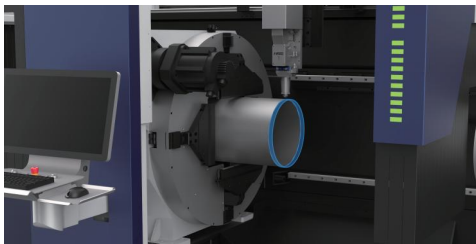
Engineered for versatility, TX3 supports cutting round, square, and complex profiles such as channel steel, angle iron, and I-beams, etc. Meeting diverse production demands with ease.

- > Round tube : $\Phi 40 - \Phi 350\text{mm}$
- > Angle iron : $50 \times 50\text{mm} - 250 \times 250\text{mm}$
- > I-beams : $100 \times 68\text{mm} - 320 \times 134\text{mm}$
- > Square tube : $\square 40 \times 40 - \square 350 \times 350\text{mm}$
- > Channel steel : $63 \times 40\text{mm} - 320 \times 92\text{mm}$
- > HW Steel : $100 \times 100\text{mm} - 300 \times 300\text{mm}$



SAVE YOUR COST

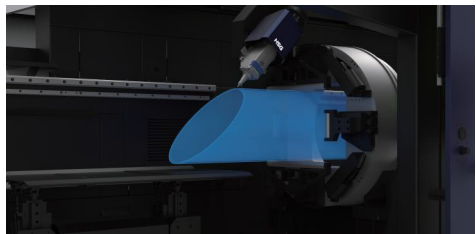
HSG Zero Tailing Technology



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

SAVE YOUR COST

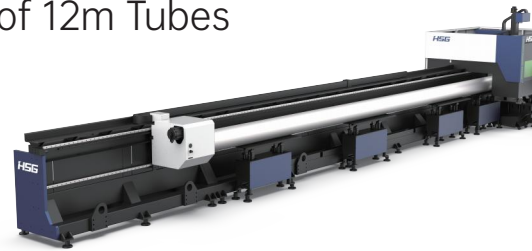
0-45° Bevel Cutting (Optional)



TX3 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.

IMPROVE PROCESSING QUALITY

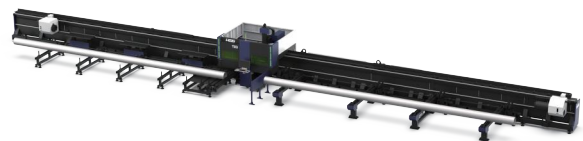
Full-length Loading and Unloading of 12m Tubes



TX3 equipped with servo follow-up support during cutting process and follow-up supporting plate as unloading device, which stably supports complete loading and unloading of 12m-long tubes. It enhances processing quality, operational safety, and lowers production costs.

SAVE YOUR TIME

Streamline Your Workflow with Automation *



Automatic loading and unloading of heavy tubes, efficient and time-saving, shorten production preparation time. Greatly improves operational safety, saves labor and reduces costs.

*All configuration functions are provided according to customer demand.

TECHNICAL PARAMETERS

Model	TX3
Laser Power	6-20KW
Cutting Capacity of Round Tube / Square Tube	$\phi 40\text{mm} - 350\text{mm}$ / $\square 40 \times 40 - \square 350 \times 350\text{mm}$
Weight of Single Tube	1,200kg
Chuck Speed	60 rpm
Max. Linkage Speed	80m/min
Maximum Acceleration	0.8G
Beveling Cutting	Optional

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