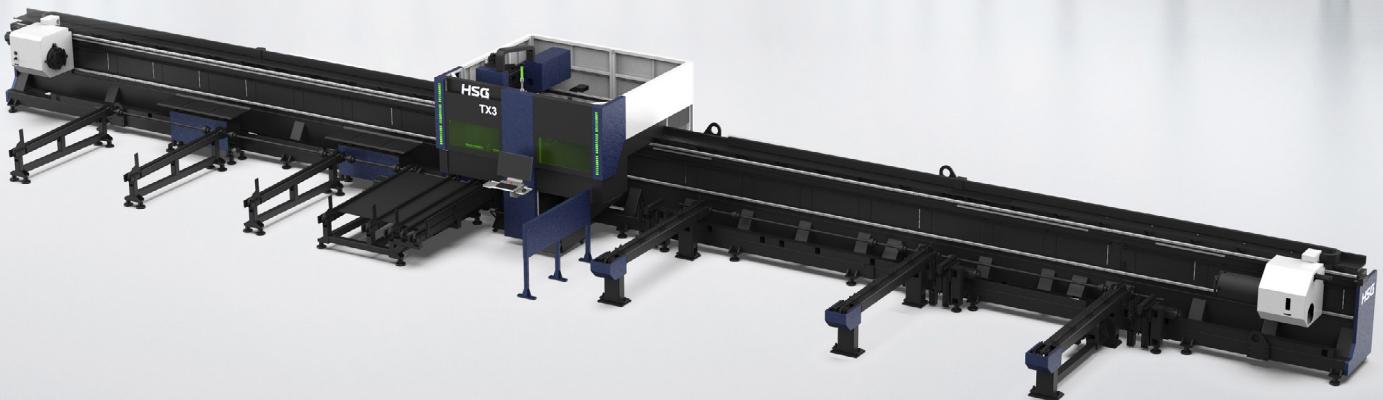


LASER MACHINES



TX3R SERIES

Heavy Duty Tube Laser Cutter

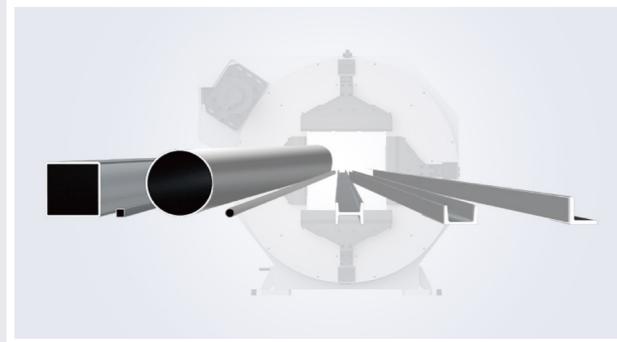


HSG TX3R SERIES

The HSG TX3R is a state-of-the-art tube laser cutting machine designed to deliver precise, high-speed cutting for a variety of tube shapes, including round, square, and rectangular profiles. Built with a robust fiber laser system, the TX3R offers efficient and smooth operations, making it ideal for industries like automotive, construction, and metal fabrication.



FEATURES



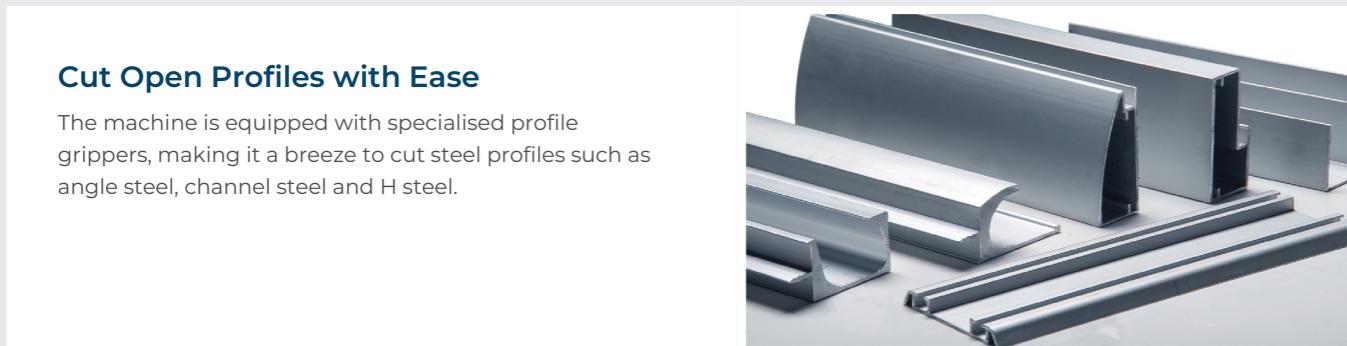
HSG Intelligent Chucks

With the HSG full-stroke chucks, tubes can be manufactured across the entire clamping range from 20mm to 360mm without the need for retooling.



Intelligent Bus Operating System

The system offers a range of auxiliary functions to meet diverse processing needs. Additionally, the T Series features professional nesting software, facilitating efficient management of production progress and accurate price calculations.



Cut Open Profiles with Ease

The machine is equipped with specialised profile grippers, making it a breeze to cut steel profiles such as angle steel, channel steel and H steel.

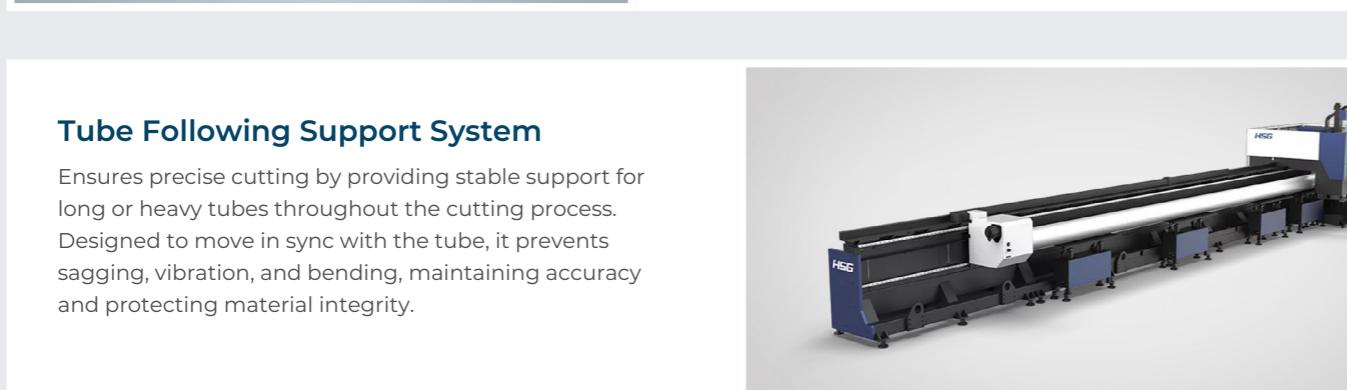
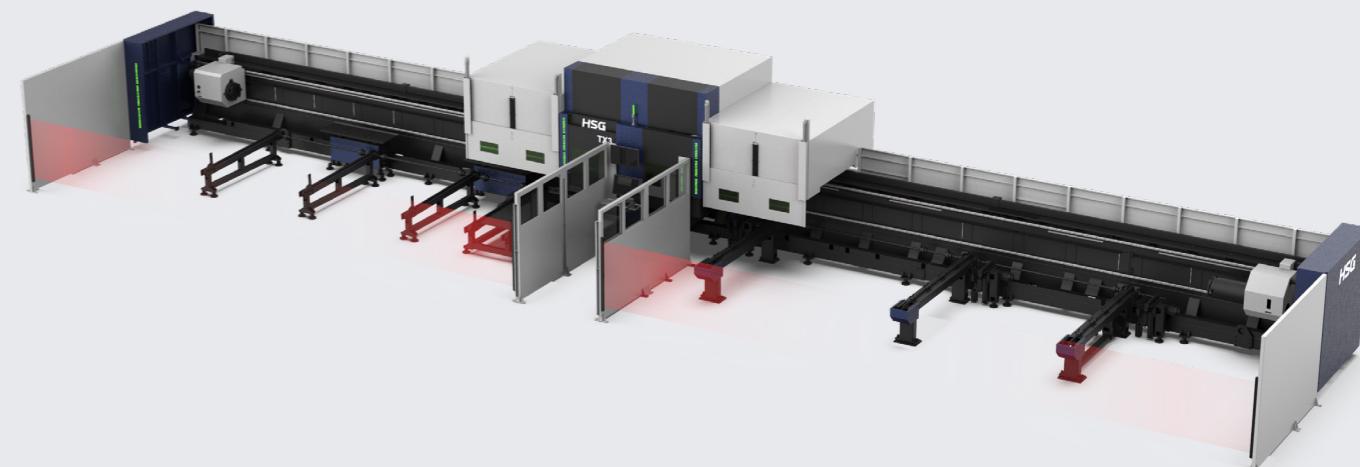
Bevel Cutting Head

0-45° bevel cutting, including various types like V, X, and Y bevels. This flexibility makes it ideal for creating angled cuts with precision.



Automatic Loading and Unloading

The automatic loading and unloading of heavy tubes is both efficient and time-saving, significantly reducing production preparation time. It greatly enhances operational safety, cuts labor requirements, and lowers production costs.

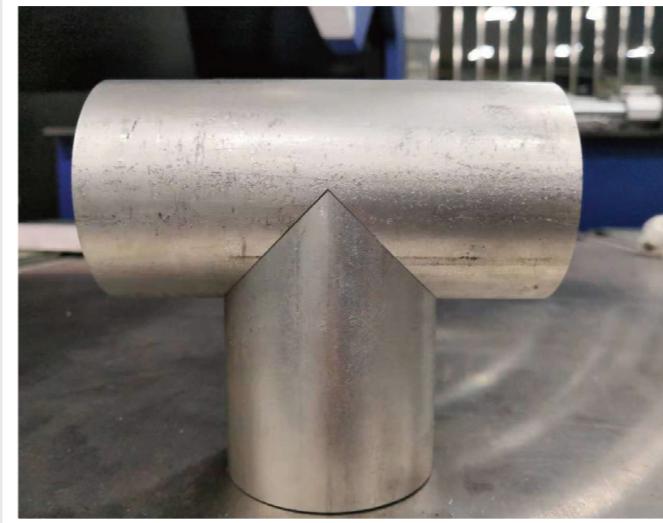


Tube Following Support System

Ensures precise cutting by providing stable support for long or heavy tubes throughout the cutting process. Designed to move in sync with the tube, it prevents sagging, vibration, and bending, maintaining accuracy and protecting material integrity.

SPECIFICATIONS

| Parameters | | TX3R | | | | | |
|---|------------|--|--------------------|--------------------------------------|--|--|--|
| Power (kW) | | 6 - 20 | | | | | |
| Chuck Speed (RPM) | | 60 r/min | | | | | |
| Max. Linkage Speed | | 80 m/min | | | | | |
| Max. Linkage Acceleration | | 0.8G | | | | | |
| X/Y Axis Positioning Accuracy | | ±0.05 mm/m | | | | | |
| X/Y Axis Repositioning Accuracy | | ±0.03 mm | | | | | |
| X Axis Travel | | ≥12500 mm | | | | | |
| Y Axis Travel | | ≥360 mm | | | | | |
| Z Axis Travel | | ≥360 mm | | | | | |
| Tube Cutting Capacity (mm) | Round: | 20 - 360 | Open Steel Profile | Angle Steel: 50 x 50 - ≤ 250 x 250 | | | |
| | Square: | 20x20 - 360x360 | | Channel Steel: 50 x 37 - ≤ 360 x 100 | | | |
| | Rectangle: | 20 - 360 | | L Beam: 50 x 37 - ≤ 360 x 140 | | | |
| | | | | H Beam: 100 x 100 - ≤ 300 x 300 | | | |
| Max. Manual Loading Cutting Length | | 13000 mm | | | | | |
| Tube Length Range | | 1000 - 12000 mm | | | | | |
| Machine Weight (kg) | | Without Loading Rack: | 18700 | With Loading Rack: 20000 | | | |
| Loading Capacity (kg) | | Multi-tube: | 3000 | Single: 20000 (≤100 kg/m) | | | |
| Total Power / Current | | 51kW / 103A (6000w) 77kW / 153A (12000w) 104kW / 207A (20000w) | | | | | |
| Dimensions (LxWxH) | | 29900 x 3300 x 3450 | | | | | |
| Dimensions with Loader (LxWxH) | | 29900 x 4400 x 3450 | | | | | |
| Laser Power | | | | | | | |
| Tube Classification: 15mm 50mm 100mm 140mm 180mm 220mm 260mm 300mm 340mm 380mm 420mm | | | | | | | |
| Square Tube:  | | | | | | | |
| Round Tube:  | | | | | | | |



LASER MACHINES

At Laser Machines, we are committed to being Australia's trusted partner for laser cutting machinery and related equipment. Specialising in cutting-edge solutions, we empower businesses with the highest quality machinery and unmatched service and support.

Our solutions-oriented approach prioritises customer satisfaction by delivering reliable products tailored to diverse needs and applications. With a focus on quality and service, we work closely with our clients throughout every step of their journey, ensuring they receive solutions designed to enhance operations and achieve their goals.

Backed by over 70 years of combined experience, our team collaborates directly with manufacturers to drive innovation and deliver machinery that meets the evolving demands of modern industries. At Laser Machines, we don't just supply equipment - we provide expertise, partnerships, and the tools for success.



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