Version No.: 2024.02

Cutting | Bending | Welding | Automation

TX

3+1 Twin-chuck Tube Laser Cutting Machine

TX 6000-12000W

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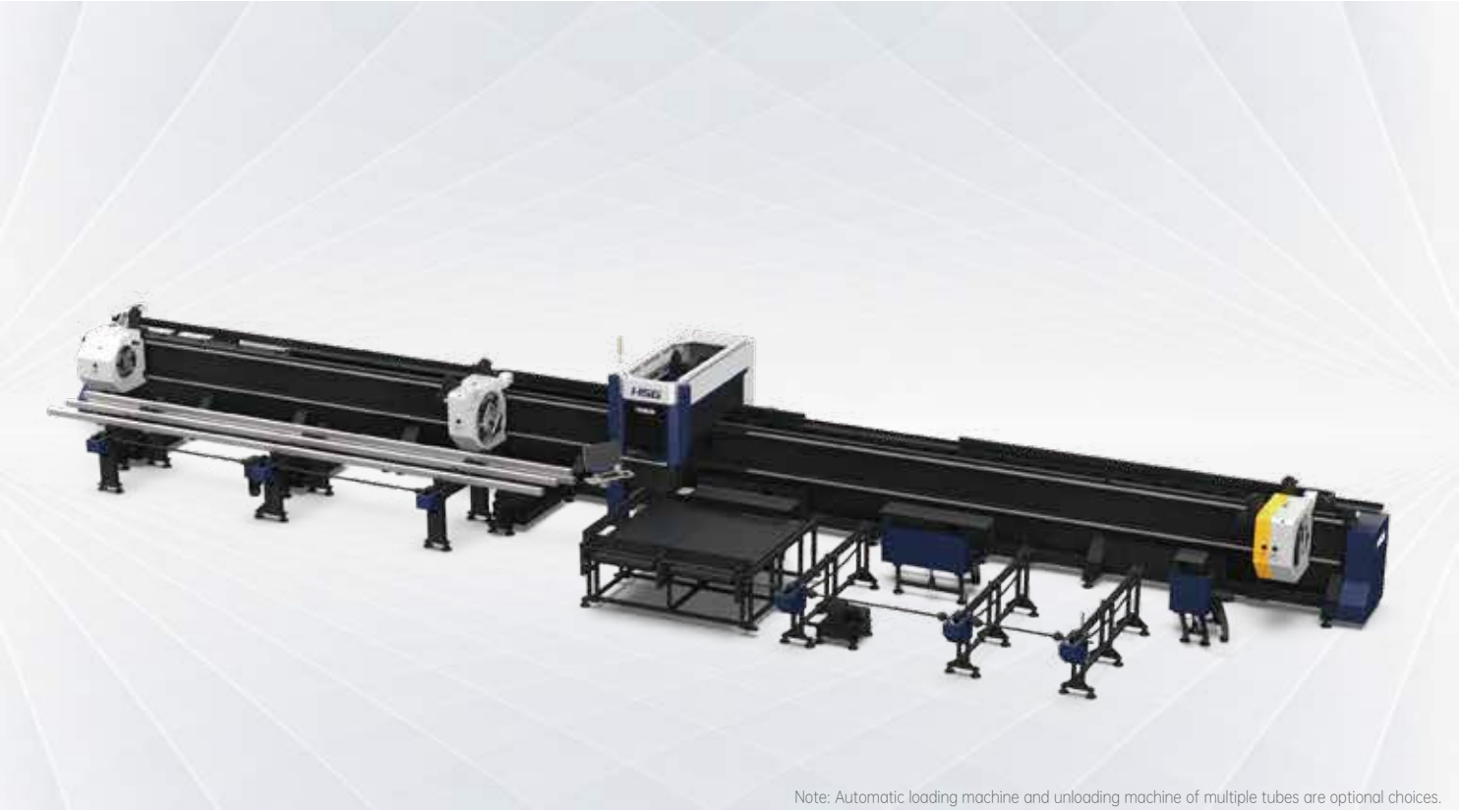


Note: Automatic loading machine and unloading machine of multiple tubes are optional choices.

Technical Parameters

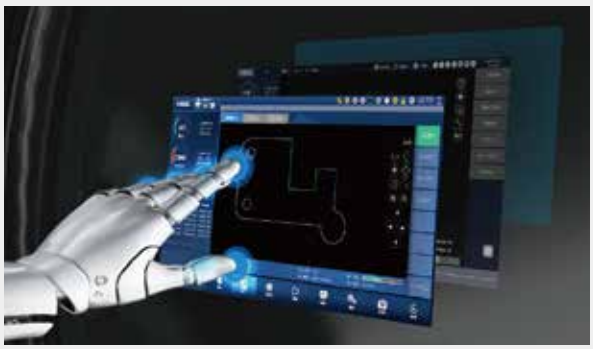
Technical Parameter	TX12050-9	TX9036II-6	TX12036II-6
Power	6000-12000W	6000-12000W	6000-12000W
Rotating Speed of Chucks	40r/min	60r/min	60r/min
Max. Linkage Speed	60m/min	60m/min	60m/min
Max. Linkage Acceleration	0.3G	0.6G	0.6G
X/Y-axis Positioning Accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m
X/Y-axis Repositioning Accuracy	±0.05mm	±0.05mm	±0.05mm
*Tailing Length	0mm	0mm	0mm
Cutting Capacity	Round tubeΦ50 - Φ500mm Square tube□50*50 - □350*350mm Rectangular diagonal≤500mm	Round tubeΦ40 - Φ360mm Square tube□40*40 - □250*250mm Rectangular diagonal≤360mm	Round tubeΦ40 - Φ360mm Square tube□40*40 - □250*250mm Rectangular diagonal≤360mm
Weight of Single Tube	1500kg	1200kg	1200kg
Overall Dimensions(L*W*H) with Loading Racks	26000*5500*3800mm	18000*5000*3500mm	21000*5000*3500mm

*Only when the nesting material is reasonable can be achieved

* Machine appearance, technical parameters, function description, data comparison shown in this page are from HSG in-house laboratory. All testing results and experimental data shall be subject to real machine.

High Speed and Intelligent for Better Processing

- High Speed and Precise
  High-speed data transmission without time delay and strong positional energy control.
- High rotational Speed and Air Velocity
  Bus system and servo motor reduce unproductive time.



X9800 Bus-based Tube Cutting Control System

- Simple Interface
  Clear interface is convenient for users operating and shows cutting data in real time to save time and costs.
- Functional Integration Control
  A number of core functions are showed centrally on the interface to reduce operating steps and users can easily learn to operate.

3+1 Twin-chucks Clamping Cutting Technique

- The chucks are self-developed by HSG Laser and have got Chinese patent for invention. They not only address prevailing problems faced by two, three and other four chucks, but also offer global users heavy tube cutting solutions beyond expectation.
- Combine C3 and C4 chuck together with synchronous rotation and moving.
- Have functions of tube clamping, supporting and correction.
- Move at full stroke to break through existing technical barrier, that is, tubes loaded must be as long as machine body.

Powerful Functions Make You Never Spend Time Worrying

- Component Real-time Monitoring and Maintenance Alert
  All components are detected in real time to ensure the stable use and the system is equipped with maintenance alert for careful component management

Follow-up Supporting Plate as Unloading Device Database (Optional)

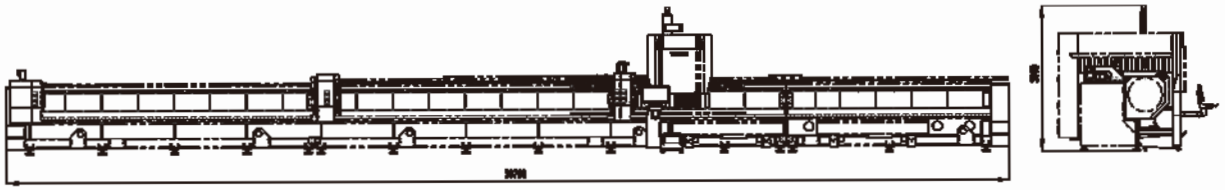
- Follow-up turning plates are used for unloading ⩽6000mm long tube and protect it from scratch.

Tube Splicing Technology

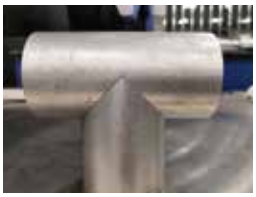
- The operating control offers 50+ kinds of tube splicing patterns, for convenience of subsequent welding, such as splicing of male and female head of square tube, 90° arc splicing, splicing of round tube tee, splicing of cut-through holes, 45° splicing of hexagon , splicing of angle iron and channel steel, etc.

Machine Foundation

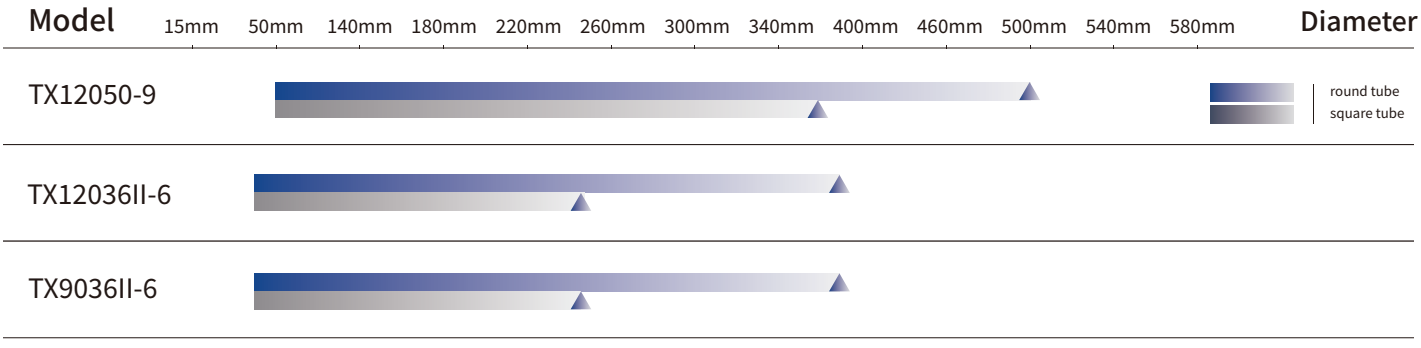
*The marked size has about 10mm error
*Pictures of TX12036II-6 are for reference only and subject to actual dimensions.



Cutting Samples



Cutting Capacity



The actual machines shall prevail and above data & pictures are only for reference.