



Cutting | Bending | Welding | Automation



TX

✦ 3+1 Twin-chuck Tube Laser Cutting Machine ✦

Company Culture

MISSION

Intelligent manufacturing changes future

VALUES

Customer-focused and employee-based

VISION

Become a respectable enterprise in the global metal forming equipment field

Company Profile



19

Global Branches



100+

Countries Covered



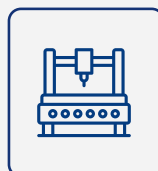
5

Manufacturing Bases



30+

Global Service Centers



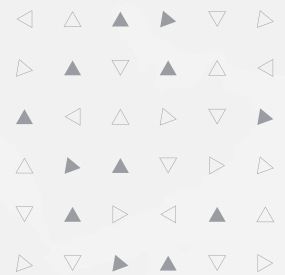
8,000+

Annual Capability



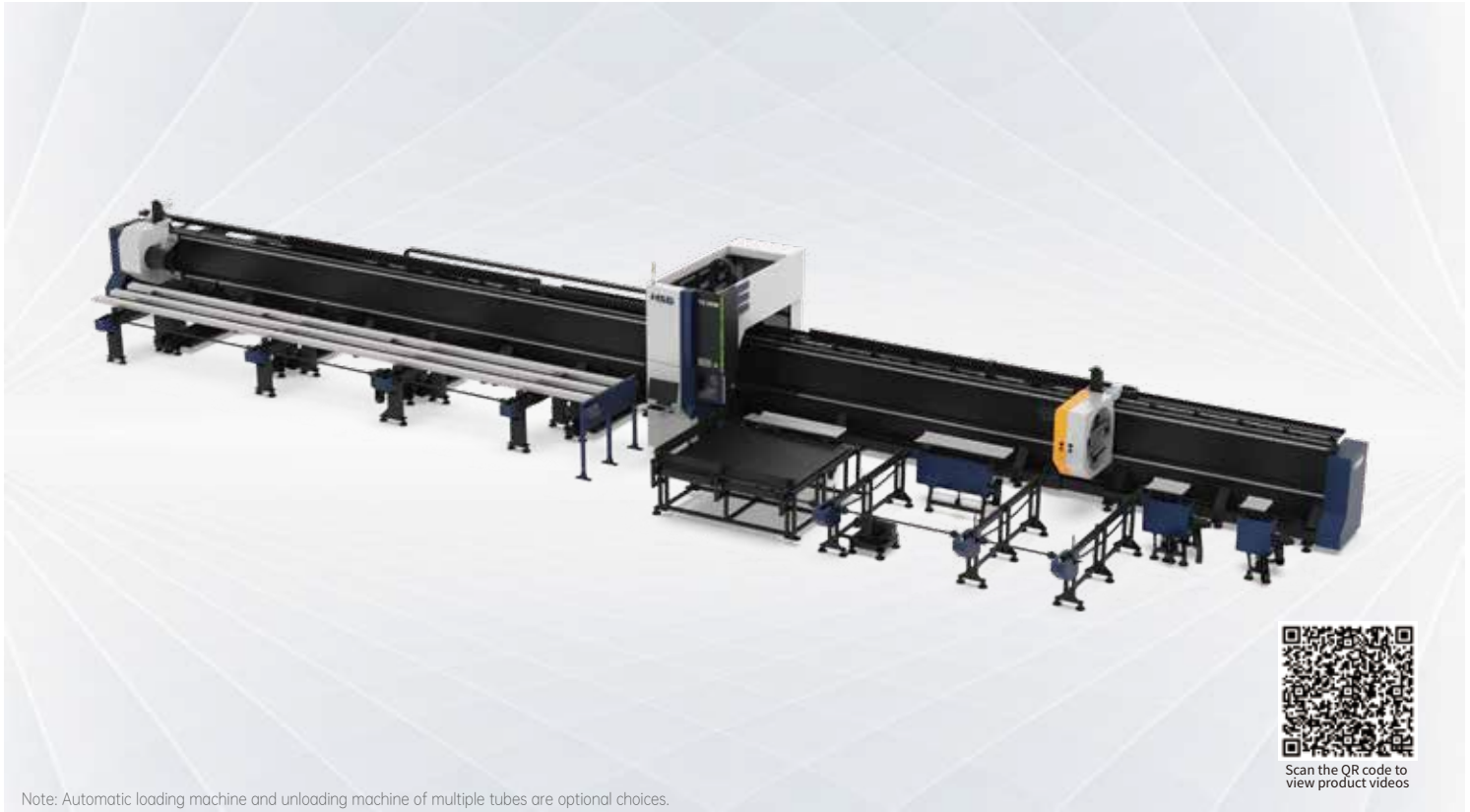
135,000m²

Occupied Area



TX 6000-20000W

3+1 Twin-chuck Tube Laser Cutting Machine



Technical Parameters

Technical Parameter	TX9036II-6	TX12036II-6	TX12050-9
Power	6000-20000W	6000-20000W	6000-20000W
Rotating Speed of Chucks	60r/min	60r/min	40r/min
Max. Linkage Speed	60m/min	60m/min	60m/min
Max. Linkage Acceleration	0.6G	0.6G	0.3G
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 tubeΦ40 - Φ360mm Square tube□40*40 - □250*250mm Rectangular diagonal≤360mm	Round tubeΦ40 - Φ360mm Square tube□40*40 - □250*250mm Rectangular diagonal≤360mm	Round tubeΦ50 - Φ500mm Square tube□50*50 - □350*350mm Rectangular diagonal≤500mm
Weight of Single Tube	1200kg	1200kg	1500kg
Dimensions with Semi-Auto (L*W*H)	18000*5000*3500mm	21000*5000*3500mm	26000*5500*3800mm

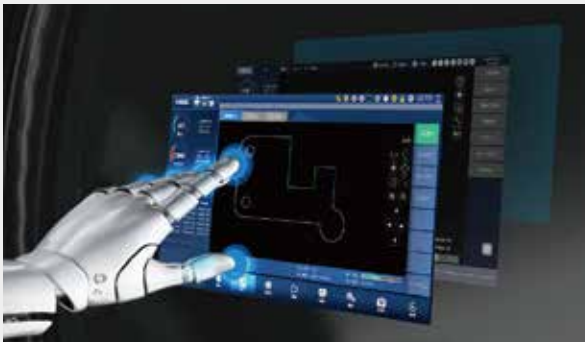
*Only when the nesting material is reasonable can be achieved

* 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 $\leq 6000\text{mm}$ long tube and protect it from scratch.



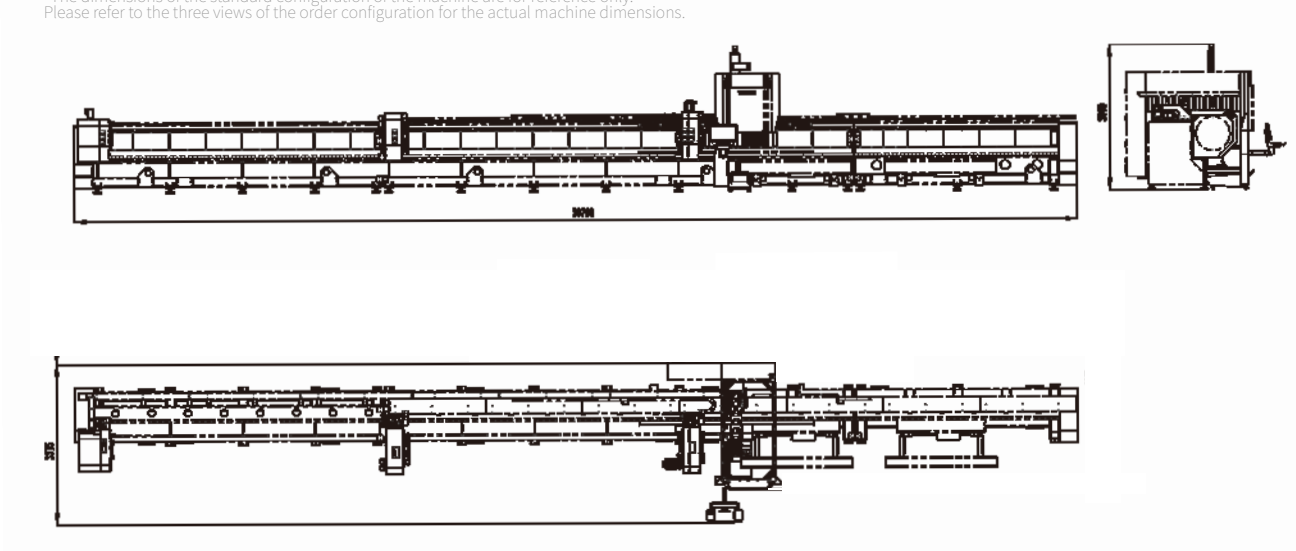
Tube Splicing Technology

- 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.

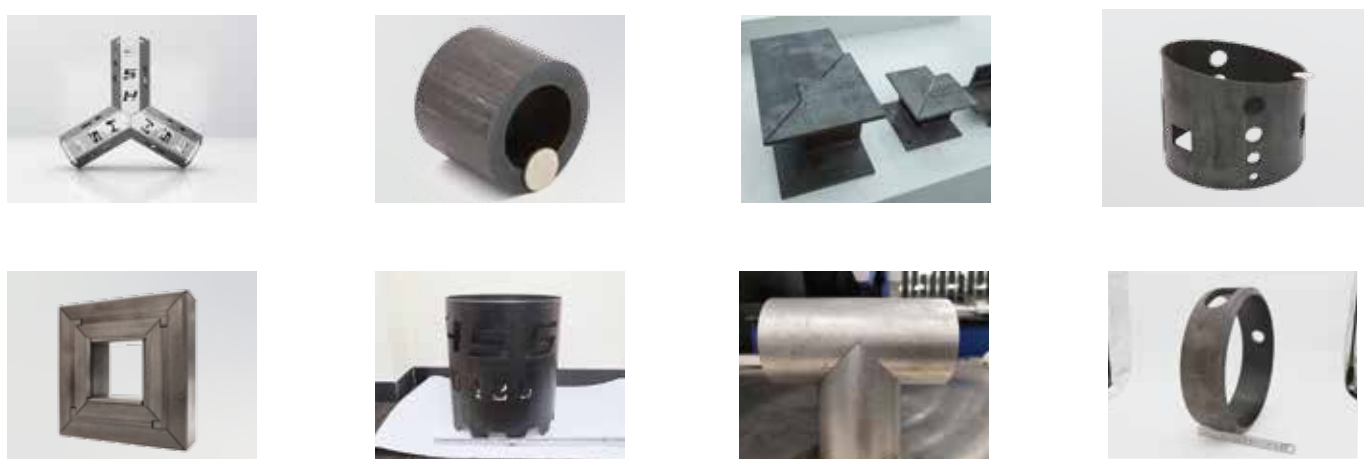


Machine Foundation

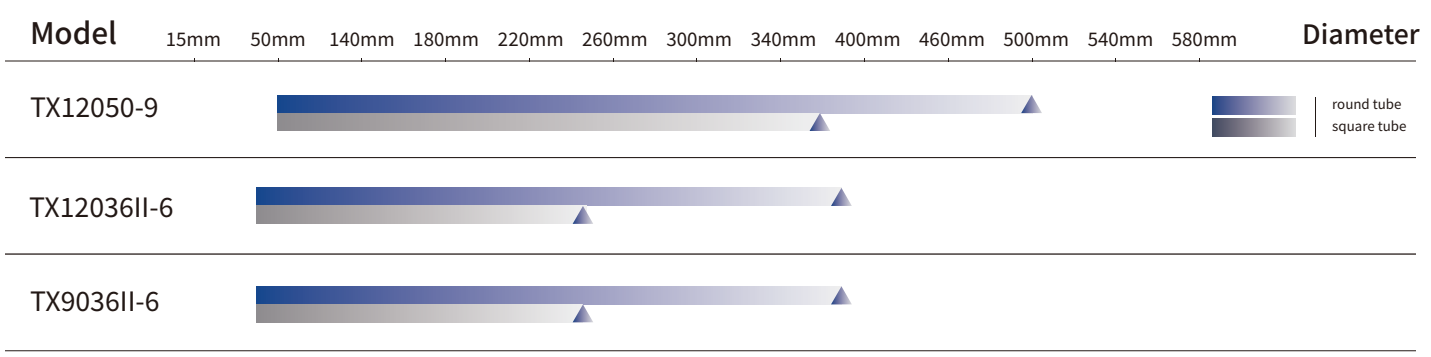
*The marked size has about 10mm error
 *Pictures of TX12036II-6 are for reference only and subject to actual dimensions.
 *The dimensions of the standard configuration of the machine are for reference only.
 Please refer to the three views of the order configuration for the actual machine dimensions.



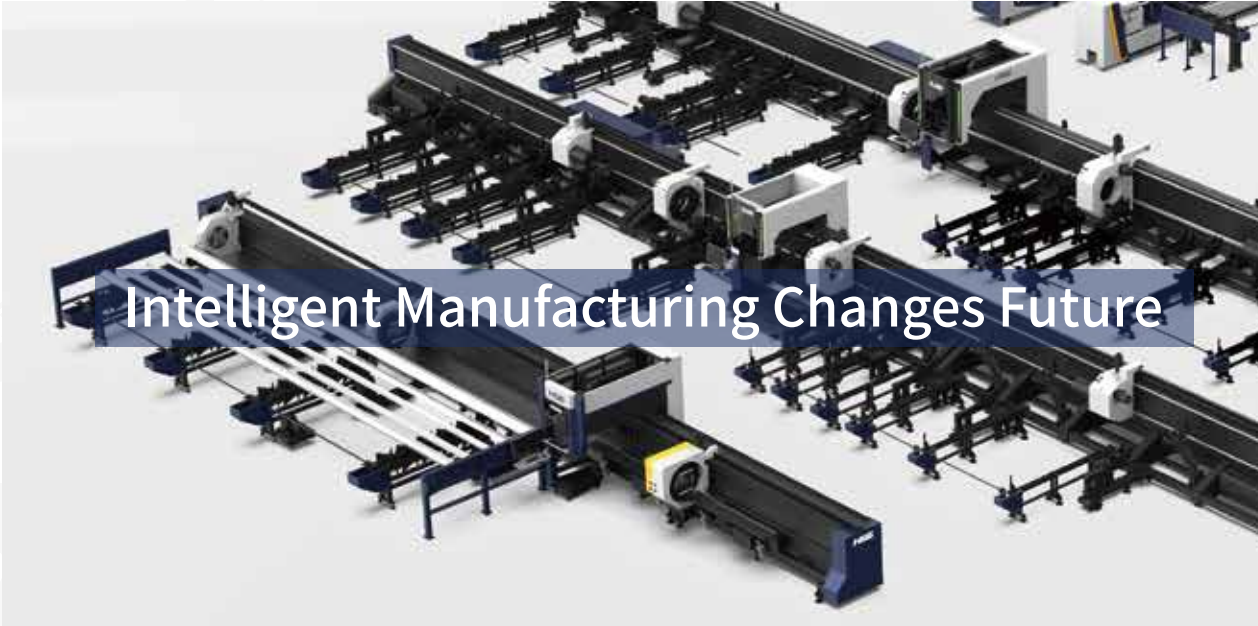
Cutting Samples



Cutting Capacity



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



Intelligent Manufacturing Changes Future



As a global enterprise, HSG sticks to providing professional and convenient service support to customers at home and board



Professional Training

Multiple technical training services and free operation training are provided for customers and dealers in a timely manner.



Efficient Support

Humanistic service model, online services and 7*24 hotline to offer solutions and assistance.



Optimized Transport

Multi-channel transport solutions and a professional transport solution team providing various transport cases to satisfy the demand of customers and save transportation fees.



Sufficient Accessories

Highly efficient accessory delivery service; multiple network inventories jointly respond to accessory demand, shortening customers' waiting times and accelerating production.



Careful Services

Domestic door-to-door service and free proofing, with over 100+ dealers providing efficient and convenient services.



Intelligent Manufacturing Changes Future



Website



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