



Cutting | Bending | Welding | Automation



# TX PLUS

▣ Double-chucks Heavy-duty 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



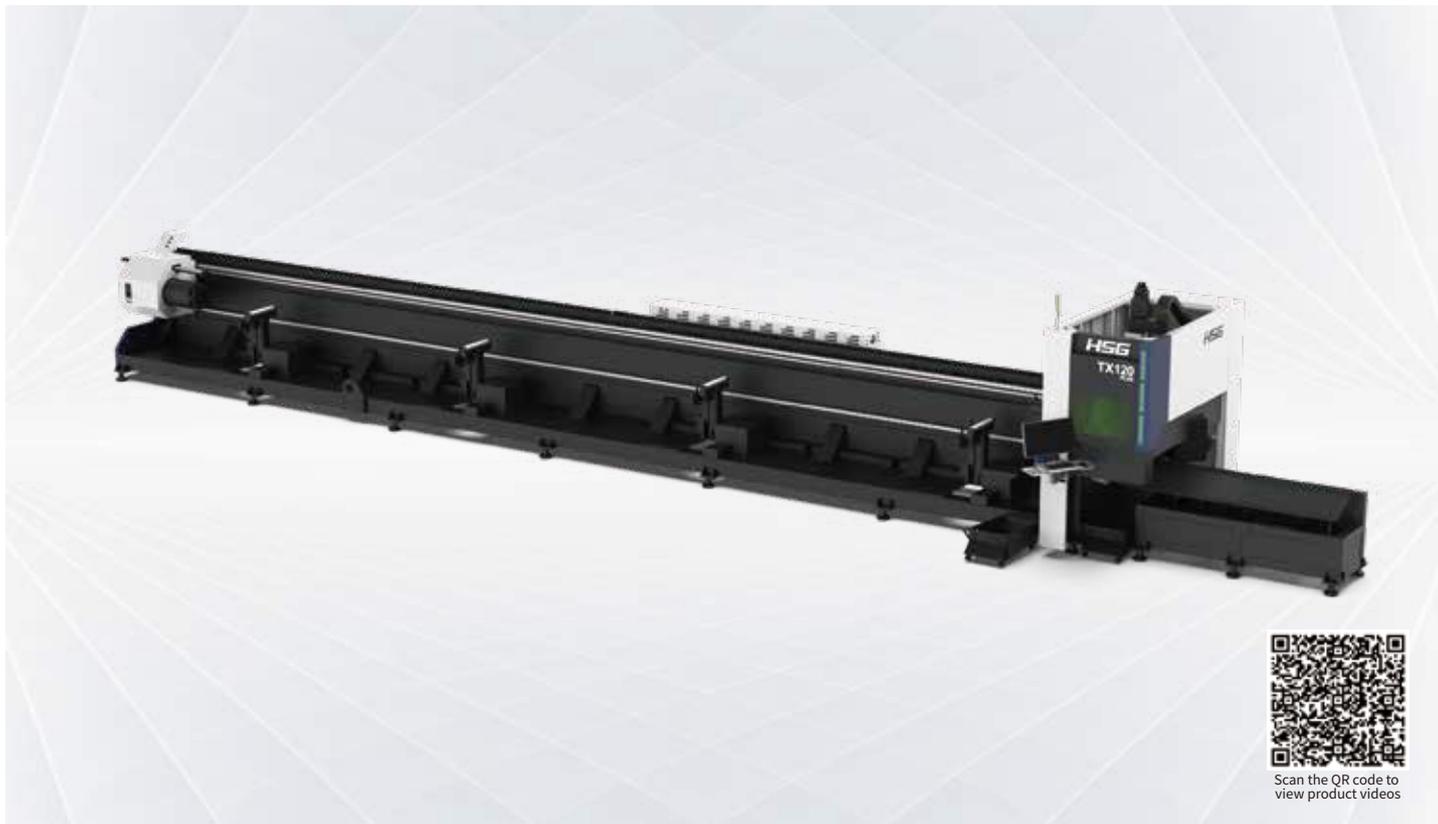
135,000m<sup>2</sup>

Occupied Area



# TX PLUS 3000-12000W

## Double-chucks Heavy-duty Tube Laser Cutting Machine



### Technical Parameters

Technical Parameter	TX65 PLUS	TX90 PLUS	TX120 PLUS
Power	3000-12000W	3000-12000W	3000-12000W
Rotating Speed of Chucks	60r/min	60r/min	60r/min
No-load Speed	80m/min	80m/min	80m/min
Acceleration	0.6G	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	Tailings in Single Chuck Clamping Model≥110 Tailings in Double-chuck Clamping Model≥300mm	Tailings in Single Chuck Clamping Model≥110 Tailings in Double-chuck Clamping Model≥300mm	Tailings in Single Chuck Clamping Model≥110 Tailings in Double-chuck Clamping Model≥300mm
Cutting Capacity	Round tubeΦ20 - Φ360mm Square tube□20*20 - □360*360mm Side length 20-360mm	Round tubeΦ20 - Φ360mm Square tube□20*20 - □360*360mm Side length 20-360mm	Round tubeΦ20 - Φ360mm Square tube□20*20 - □360*360mm Side length 20-360mm
Weight of Single Tube	1000kg	1000kg	1000kg
Dimensions with Semi-Auto (L*W*H)	11000*4500*2800mm	13500*4500*2800mm	16500*4500*2800
The range of pipe material	1000-6500mm	1000-9000mm	1000-12000mm

\*Suggested Tube Length in Single Chuck Clamping≤500mm, Weight of Tube≤5kg

\* 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.

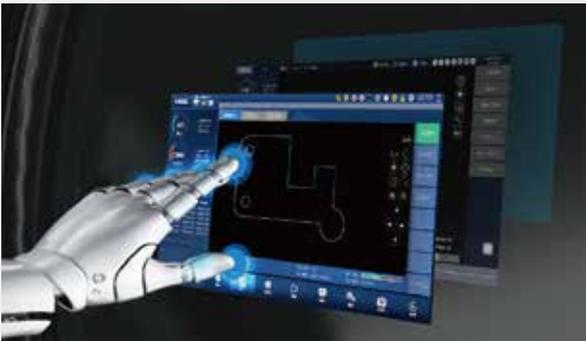
## High Speed and Intelligent for Better Processing

- 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.



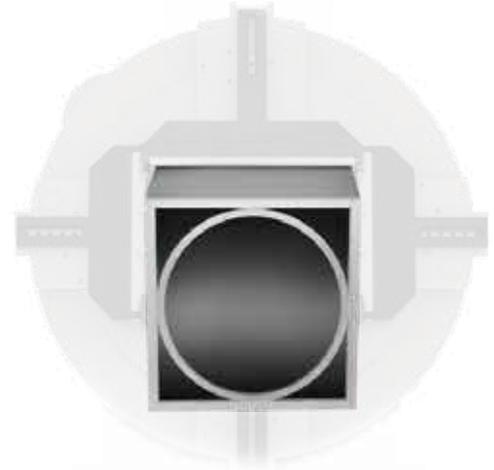
## X9000 Bus-based Tube Cutting Control System

- 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.



## Professional and Scientific Chucks

- The chucks of TX Plus III are equipped with standard H-beam clamping jaw which has a high grasping ability. These chucks achieve stable tube cutting and improve cutting quality.
- Rectangular-circle tube during whole process  
Sealing chucks are designed to solve dust problems during processing and improve the working life of chucks.





## 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

- Follow-up turning plate used for unloading  $\leq 3000$ mm long tube and protect it from scratch.



## Lateral Hung Type Chucks

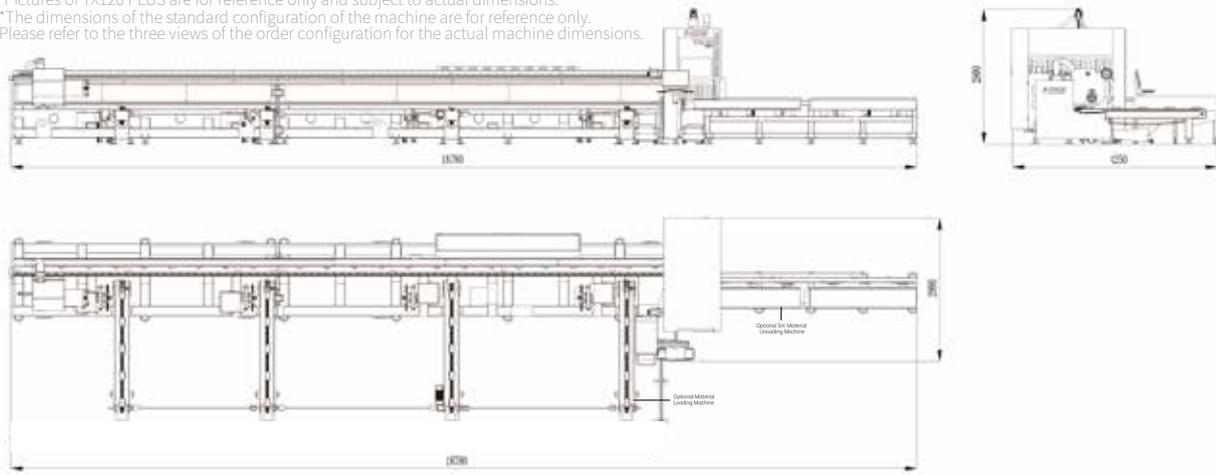
- Lateral Hanging Type Chucks are used for TX Plus III for convenient loading.
- Lateral Hanging Type Chucks also can decrease the gravity center of the tube to enhance cutting stability and ensure high-quality cutting result.



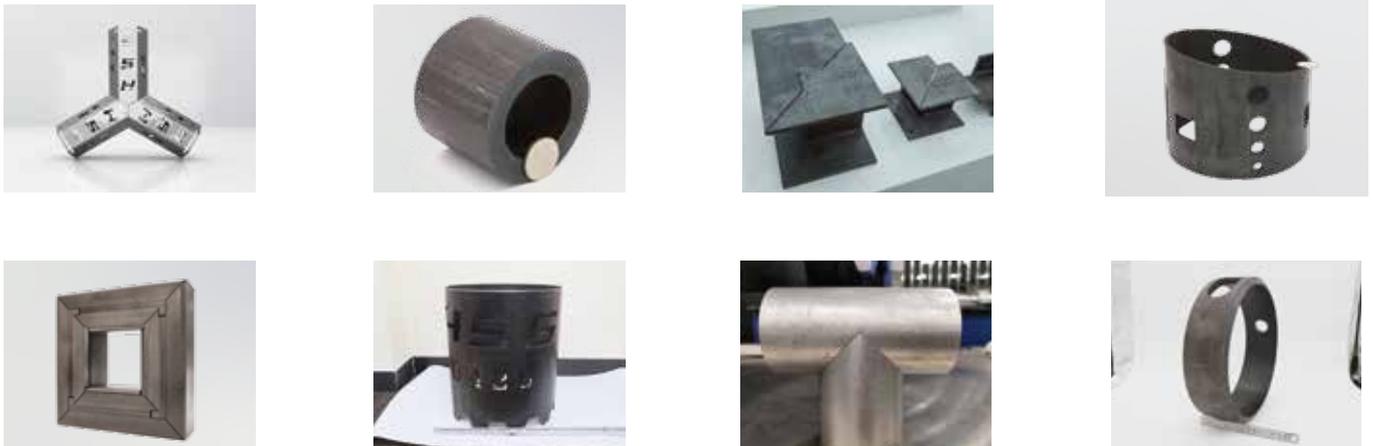


## Machine Foundation

\*The marked size has about 10mm error  
 \*Pictures of TX120 PLUS 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.



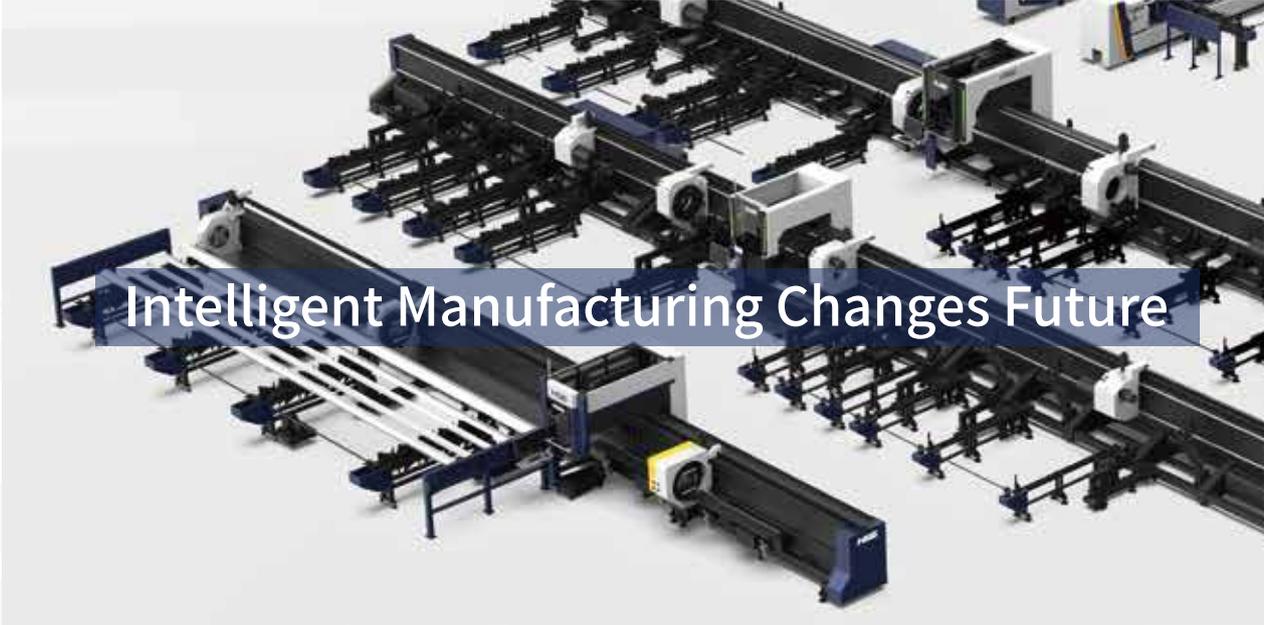
## Cutting Samples



## Cutting Capacity

Model	20mm	60mm	100mm	140mm	180mm	220mm	260mm	300mm	340mm	380mm	420mm	460mm	500mm	Diameter
TX65PLUS	[Progressive bar with blue triangle at 380mm]										[Legend: blue for round tube, grey for square tube]			
TX90PLUS	[Progressive bar with blue triangle at 380mm]													
TX120PLUS	[Progressive bar with blue triangle at 380mm]													

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



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Headquarters Add.: No. 4, Anye Road, Shunjiang Community Industrial Park,  
Beijiao Town, Shunde District, Foshan, Guangdong, China  
Website: [www.hsglaser.com](http://www.hsglaser.com)  
Email: [info@hsglaser.com](mailto:info@hsglaser.com)  
Tel: +86 757-66833906