



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



13

Global Branches



100+

Countries Covered



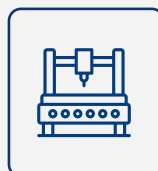
4

Manufacturing Bases



30+

Global Service Outlets



8,000+

Delivery Capability



96,000m²

Occupied Area



TX PLUS 3000-12000W

Double-chucks Heavy-duty Tube Laser Cutting Machine



Technical Parameters

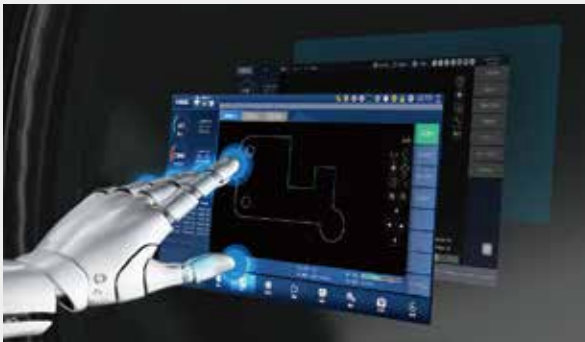
Technical Parameter	TX65 PLUS	TX90 PLUS	TX120 PLUS
Power	3000-12000W	3000-12000W	3000-12000W
Rotating Speed of Chucks	60r/min	60r/min	60r/min
No-load Speed	80m/min	80m/min	80m/min
Acceleration	0.6G	0.6G	0.6G
X/Y-axis Positioning Accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m
X/Y-axis Repositioning Accuracy	±0.05mm	±0.05mm	±0.05mm
*Tailing Length	Tailings in Single Chuck Clamping Model≥110 Tailings in Double-chuck Clamping Model≥330mm	Tailings in Single Chuck Clamping Model≥110 Tailings in Double-chuck Clamping Model≥330mm	Tailings in Single Chuck Clamping Model≥110 Tailings in Double-chuck Clamping Model≥330mm
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
Overall Dimensions(L*W*H) with Loading Racks	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.

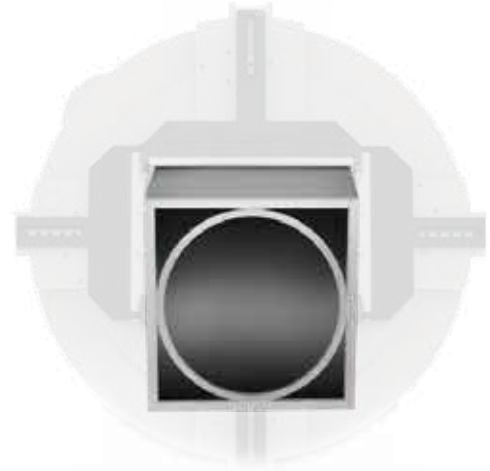


X9000 Bus-based Tube Cutting Control System

- 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.





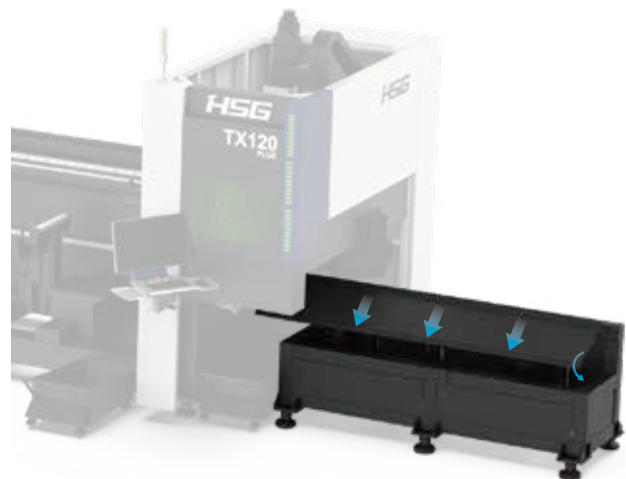
Powerful Functions Make You Never Spend Time Worrying

- 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 ≤ 3000 mm long tube and protect it from scratch.



Lateral Hung Type Chucks

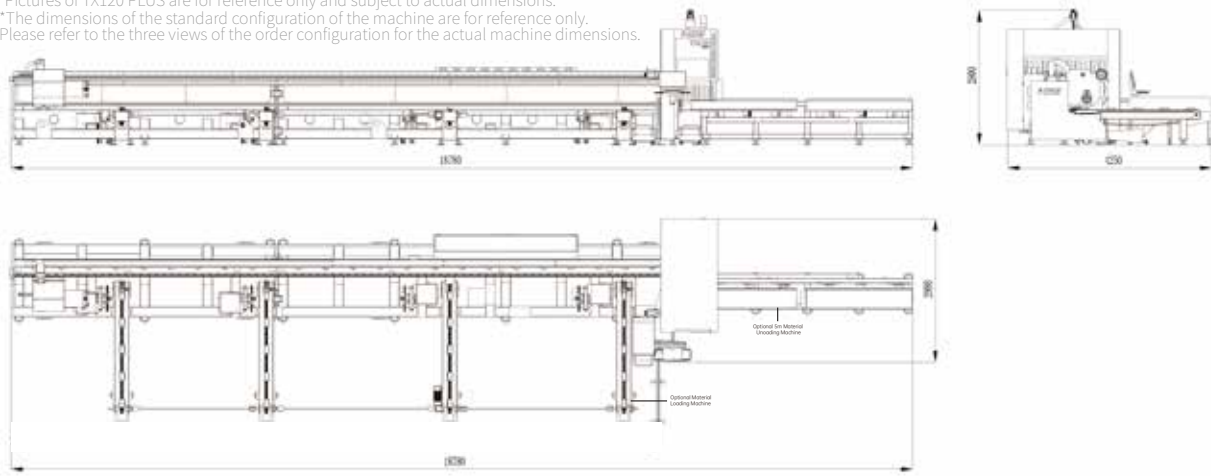
- Lateral Hanging Type Chucks are used for TX Plus III for convenient loading.
- Lateral Hanging Type Chucks also can decrease the gravity center of the tube to enhance cutting stability and ensure high-quality cutting result.



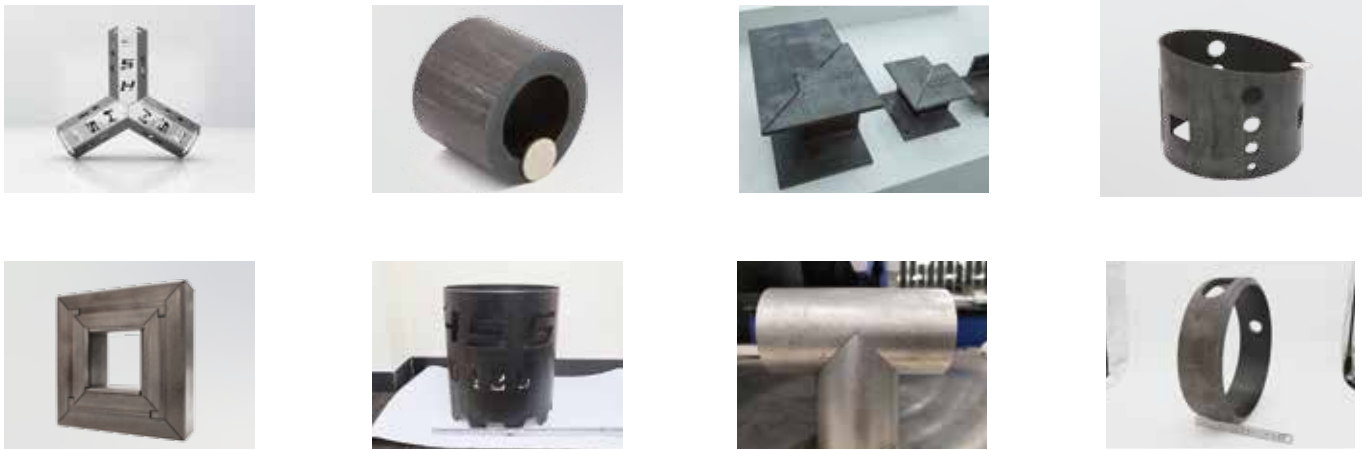


Machine Foundation

*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]										<div style="display: inline-block; width: 15px; height: 10px; background-color: #4a7ebb; border: 1px solid black;"></div> round tube <div style="display: inline-block; width: 15px; height: 10px; background-color: #808080; border: 1px solid black;"></div> 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 service and free operation training for customers and dealers in time



Efficient Support

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



Optimized Transport

Multi-channel transport solutions and professional transport solution team will provide various transport cases for to satisfy the demand of customers and save transports fees



Sufficient Accessories

Highly efficient accessories delivery service, multiple network inventory jointly responds to accessories demand to shorten customer's waiting times and accelerate production



Careful Services

Domestic door-to-door service and free proofing, global 100+dealers provide efficient and convenient services



Intelligent Manufacturing Changes Future



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