



Cutting | Bending | Welding | Automation

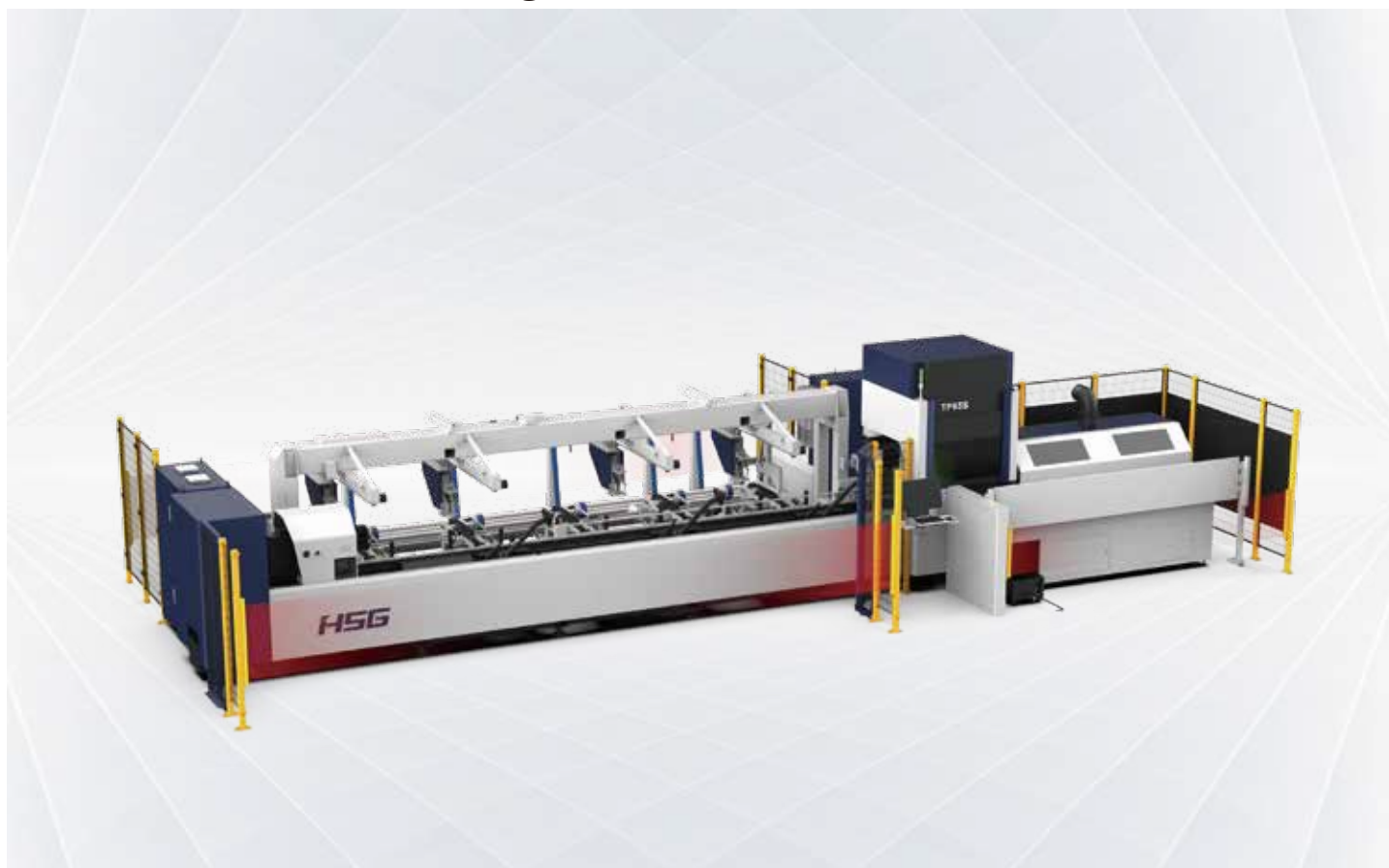


TPS

✦ Bevel Tube Laser Cutting Machine ✦

TPS 3000-6000W

Bevel Tube Laser Cutting Machine



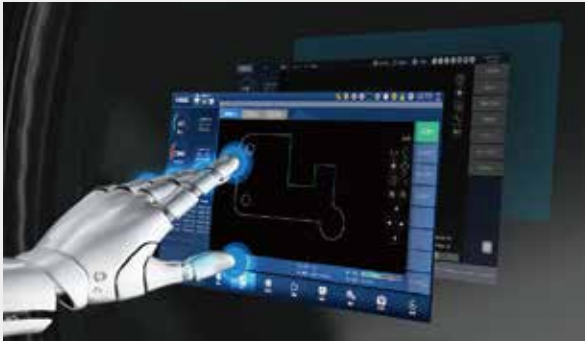
Technical Parameters

Technical Parameter	TP65S
Power	3000-6000W
Rotating Speed of Chucks	120r/min
Max. Linkage Speed	459 FPM
Max. Linkage Acceleration	1.2G
X/Y-axis Positioning Accuracy	±0.00118 IPM
X/Y-axis Repositioning Accuracy	±0.0018"
Tailing Length	Tailings in Double-chuck Clamping Model≥ 8.66"
Cutting Capacity	Round tubeΦ .787" - Φ10.75" / Square tubeΦ .787 x .787" - Φ 7.87 x 7.87" / Rectangular diagonal≤ 10.75"
Weight of Single Tube	441 lbs
Overall Dimensions(L*W*H) with Loading Racks	492" x 185" x 103"
Optional	26.25' machine bed
Safety Certification	ETL, THX

* 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.

Intelligent Digital Chucks

- Closed-loop control and wireless data transmission in real time.
- Know claws clamping status and accurate tube size .
- Self-adaptive adjustment of clamping force.
- Stop immediately if empty or wrong tube is clamped, so as to lower work error rate.





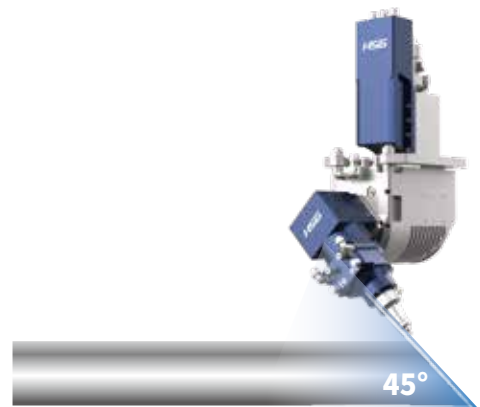
Powerful Functions Make You Never Spend Time Worrying

- 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



LA4 Bevel Cutting Head

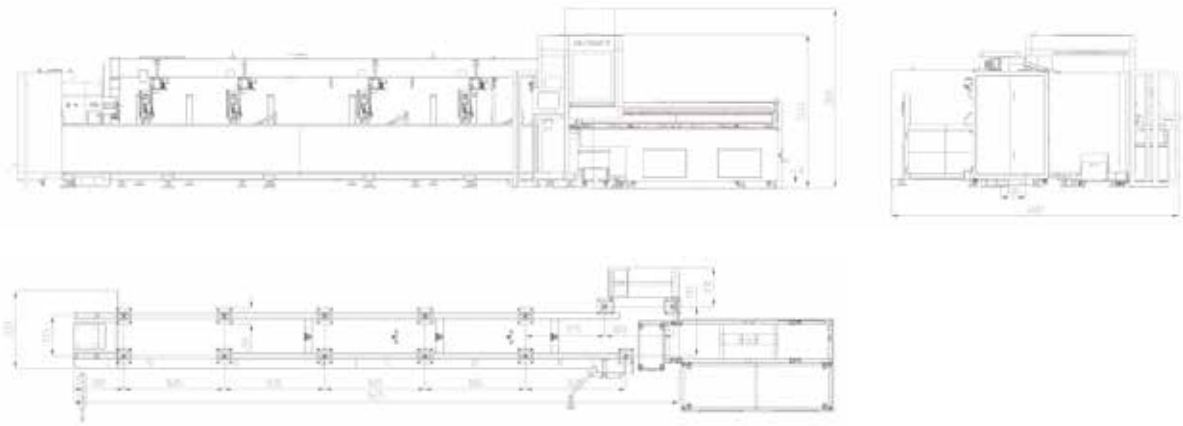
- 0-45° bevel takes its shape once, for the convenience of subsequent welding and decrease of reprocessing costs.



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.

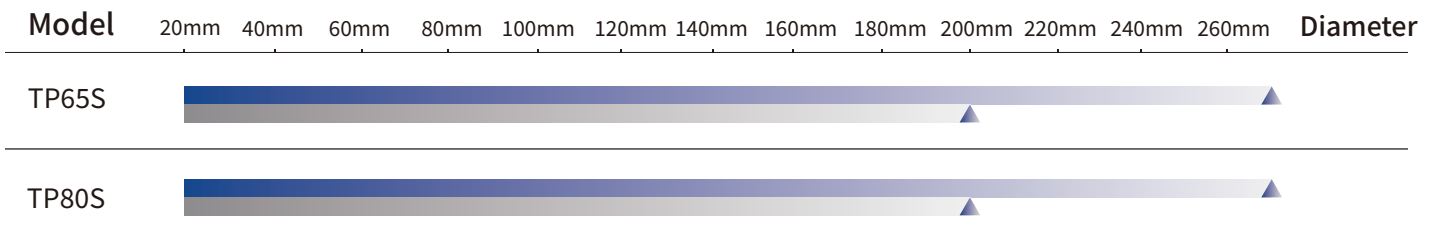
Machine Foundation *The marked size has about 10mm error



Cutting Samples



Cutting Capacity



round tube
 square tube

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