Shape Metal, Shape Trust

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.

HSG

Shape Metal, Shape Trust

Website	Facebook	Youtube

HSG

TL

Four-chuck Heavy-duty Tube Laser Cutting Machine

Company Culture

SLOGAN
Shape Metal, Shape Trust

MISSION
To support the high-speed growth of our customers

VISION
To be a world-leading provider of metal shaping equipments & comprehensive solutions

Company Profile

19 Global Branches

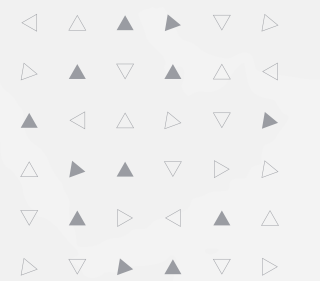**100+** Countries Covered

5 Manufacturing Bases

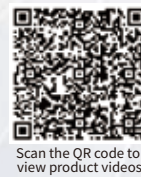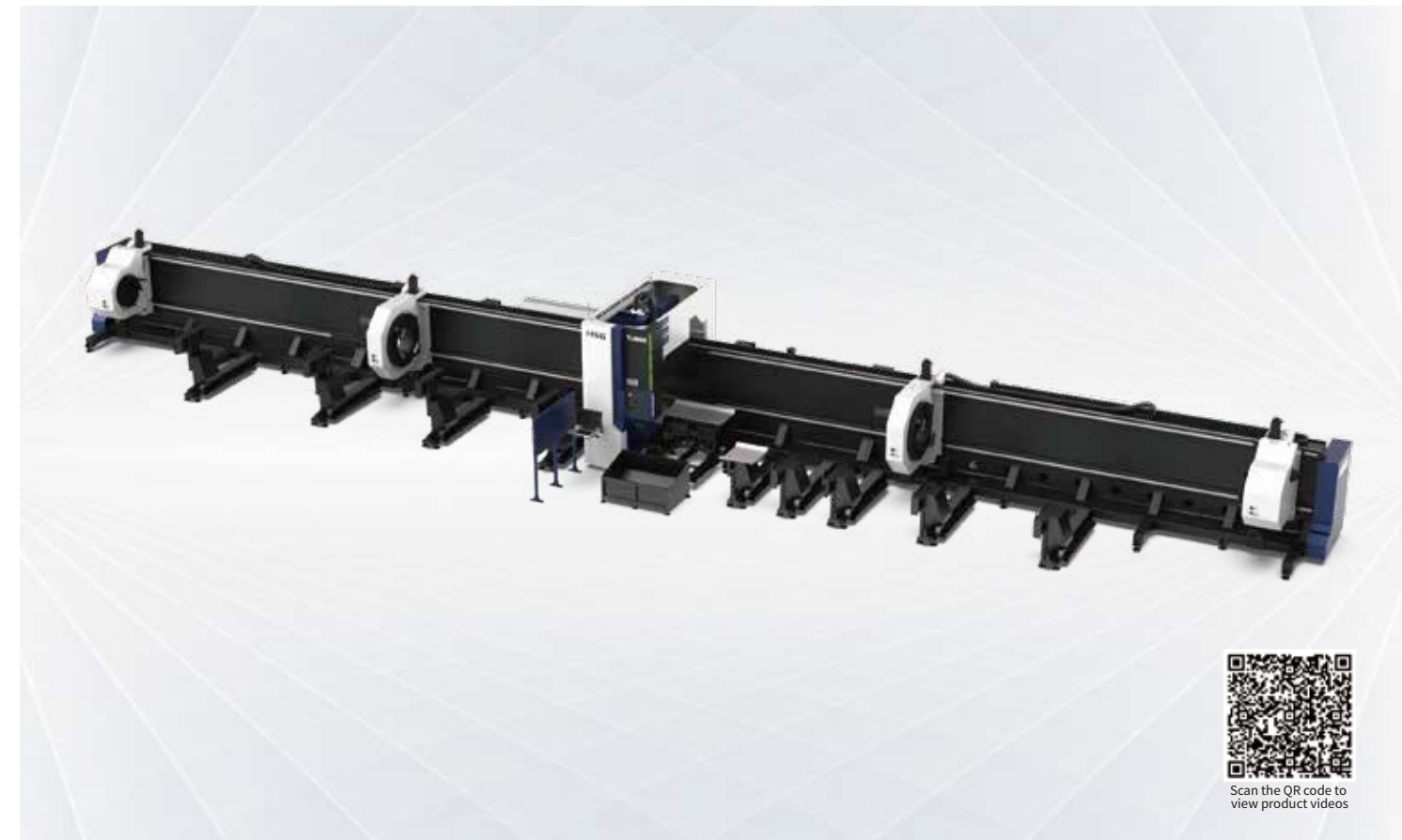**30+** Global Service Centers

8,000+ Annual Capability

135,000㎡ Occupied Area

TL 6000-20000W

Four-chuck Heavy-duty Tube Laser Cutting Machine

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.

Scan the QR code to view product videos

Cut with Short Tailings

- Four chucks combine ordinate cutting with various clamping types to achieve short tailing and improve material utilization ratio.
- Notes: When work procedures are well arranged, zero tailing comes true.
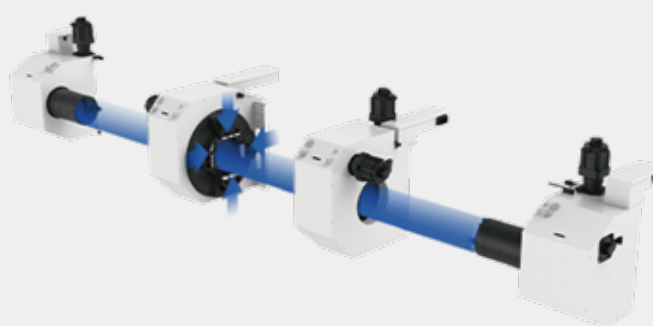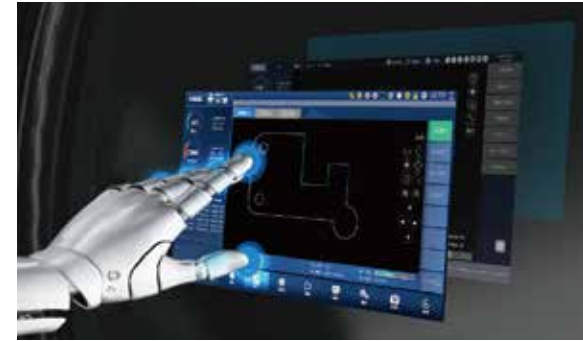
Four Chucks Structure

- HSG launches the first generation of four-chucks heavy-duty tube laser cutting machine in 2019, laying a groundwork for cutting heavy, large and long tube stably.
- Heavy-duty pneumatic chucks for stable clamping .
- Maximum clamping diameter: 500mm (Round Tube).
- Single tube bearing: 1200Kg.

Power-off Cutting Restart TechnologyDatabase

- Foreign-imported servo motor contains an absolute encoder to offer power-off cutting restart function, namely, users only need to click to restart the cutting and power failure will not be worried.
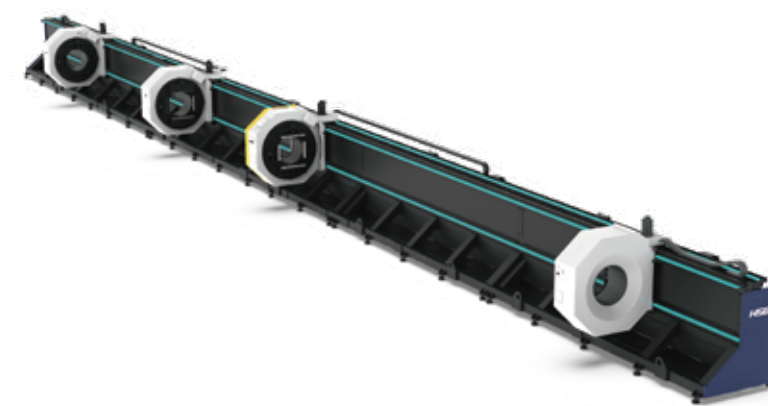
Technical Parameters

Technical Parameter	TL660-12
Power	6000-20000W
Rotating Speed of Chucks	30r/min
Max. Linkage Speed	50m/min
Max. Linkage Acceleration	0.2G
X/Y-axis Positioning Accuracy	±0.1mm/m
X/Y-axis Repositioning Accuracy	±0.1mm
*Tailing Length	0
Cutting Capacity	Round tube Φ80 - Φ660mm Square tube □80*80 - □450*450mm Diagonal≤660mm and Side Length ≥80mm
Weight of Single Tube	3000kg
Dimensions with Semi-Auto （L*W*H）	29000*6000*4000mm
The range of pipe material	3000-12000mm

*Only when the nesting material is reasonable can it 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.

4+1 Full-track Portable Chuck Structure

- Weight Capacity: 4000KG
- Clamping Range

(Model:TL730S)

Various Tube Processing Functions

- Space leapfrog and fly cutting, in favor of the decrease of idle running of cutting head and the increase of cutting efficiency.
- Restart to cut from break-point, with less material waste.
- Four-side centering for high cutting precision.
- Smart typesetting algorithm to enhance material utilization.

Machine Foundation

*The marked size has about 50mm error.
*Pictures of TL660 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.
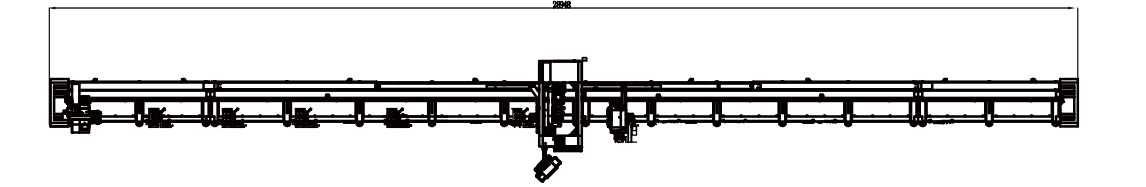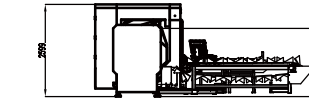
Cutting Samples
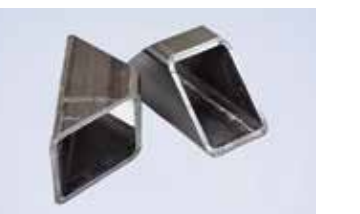
Cutting Capacity

Model	40mm	160mm	240mm	320mm	400mm	480mm	560mm	640mm	720mm	800mm	880mm	960mm	1040mm	Diameter
TL660														

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