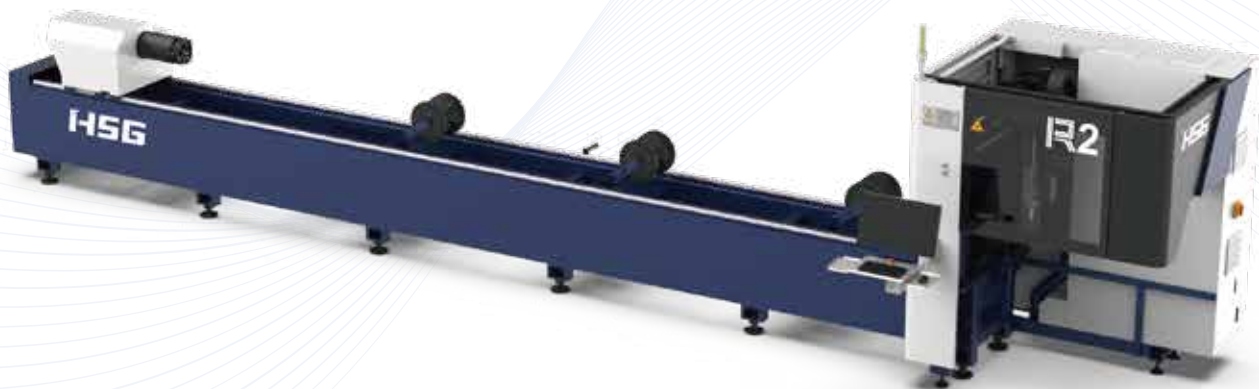




Cutting | Bending | Welding | Automation



# R2

❑ Double-chuck Universal 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



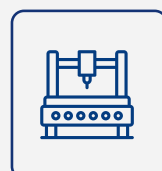
**4**

Manufacturing Bases



**30+**

Global Service Outlets



**8,000+**

Delivery Capability



**96,000m<sup>2</sup>**

Production Base



# R2 1500-6000W

## Double-chuck Universal Tube Laser Cutting Machine



### Technical Parameters

Technical Parameter	R2
Power	1500-6000W
No-load Speed	120m/min
Rotating Speed of Chucks	100r/min
Acceleration	1G
X/Y-axis Positioning Accuracy	±0.05mm/m
X/Y-axis Repositioning Accuracy	±0.03mm
*Tailing Length	Tailings in Single Chuck Clamping Model ≥85mm Tailings in Double-chuck Clamping Model ≥225mm
Cutting Capacity	Round tube Φ8 - Φ240mm Square tube □8*8 - □240*240mm
Weight of Single Tube	300kg
Overall Dimensions(L*W*H) with Loading Racks	About 10110*2530*2215mm

\*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.



## Precise Cutting with Pneumatic Support

- Three pneumatic concave wheel supports are the standard equipment of R2 series, satisfying your support demands for most tube types.
- R2 series can be equipped with servo follow-up support optionally for higher precision.



## Fabulous Dynamics Assist in Higher Productivity

- The chuck operating speed of R2 series can achieve 120m/min and the chuck rotation speed can achieve 100r/min with 1.0G acceleration, which play an important role in productivity improvement.



## Standard Configuration of Rectangular-circle Chucks, Supporting Various Tubes

- Equipped with simple rectangular-circle chucks, R2 series can achieve the weight capacity of 300Kg, supporting various types of tubes.
  - Round Tube:  $\phi 8$ - $\phi 240$
  - Square Tube:  $\square 8$ - $\square 240$
  - 15# H Steel
  - Angle Steel 20#
  - Channel Steel 20#
- (Note: R2 series can be equipped with professional rectangular-circle chucks for stronger sealing and protection abilities)



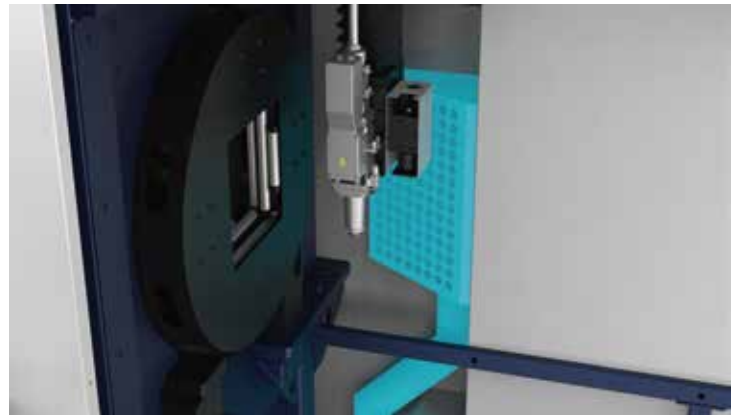


## HSG-X Bus Control System

- HSG-X control system is bus-based and developed by HSG Laser. With intelligent and easy-to-operate service, it can offer users effective solutions to address problems of difficult operation, low efficiency and high costs.

## Eco-friendly Cutting

- The cutting area is equipped with air extraction pipes, making the processing environment clean and environmental protection.

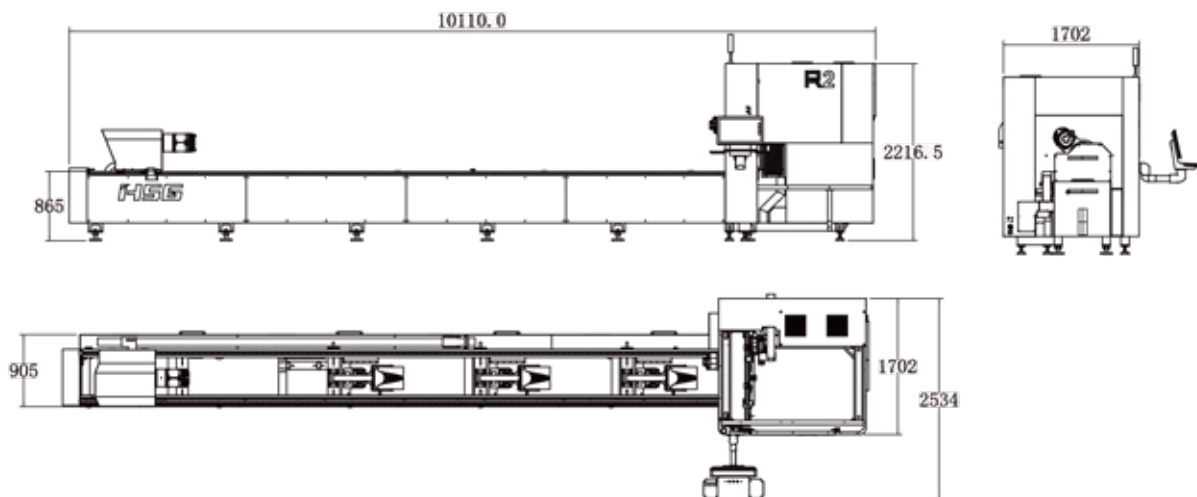


## More Stable and Precise for Blanking Rack (Optional)

- R2 series can be added with 3m blanking rack, for more stable and precise cutting of long tube cutting especially.



## Machine Foundation \*The marked size has about 10mm error



## Cutting Samples



## Cutting Capacity

Tube Classification 80mm 100mm 120mm 140mm 160mm 180mm 200mm 220mm 240mm 260mm 280mm 300mm 320mm Diameter



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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