

Company profile

60+

Overseas service agencies

80,000M²

Global top machining and assembly center

155+

Export countries & regions

8

Global service centers

100,000+

Satisfied customers worldwide

MORN LASER, MAKE SUPERIOR LASER PRODUCTS LET GLOBAL MANUFACTURERS BENEFIT!

Morn Laser embraces the ever-changing fabrication demand with a strong commitment to excellent quality and reliable service.

Since our establishment in 2008, we have provided state-of-the-art laser manufacturing solutions to over 100,000 customers in more than 155 countries. The 80,000 square-meter factory equips us with a powerful capacity to maximize your productivity.

Morn Laser strives to help those who believe in us succeed. The focus is on the automation and digitalization of the metal cutting, welding, marking, and cleaning process chain. With 16 years of experience dedicated to the laser industry, our laser equipment is not only certified by the FDA, CE, UL, and ASME but also widely recognized by fabricators and distributors worldwide.



N series

SIDE-MOUNTED DUAL-CHUCK TUBE LASER
CUTTING MACHINE



SET THE STANDARD
OF EXCELLENCE

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N series

Side-Mounted Dual-Chuck Tube Laser Cutting Machine

1-12kW

Laser Power

1.5G

Max. Linkage Acceleration

100m/min

Max. Axis Linkage Speed



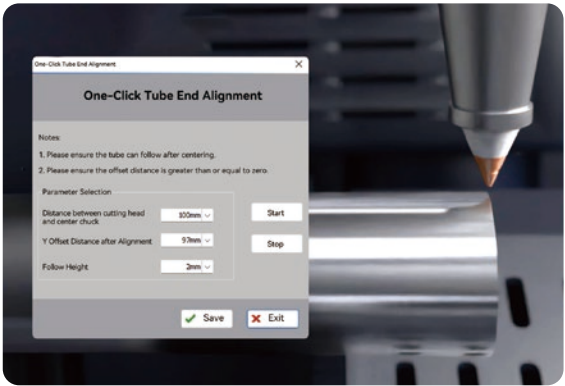
Fast Loading
Reduces idle time for higher productivity

High Precision
Ensures clean edges and accurate fit

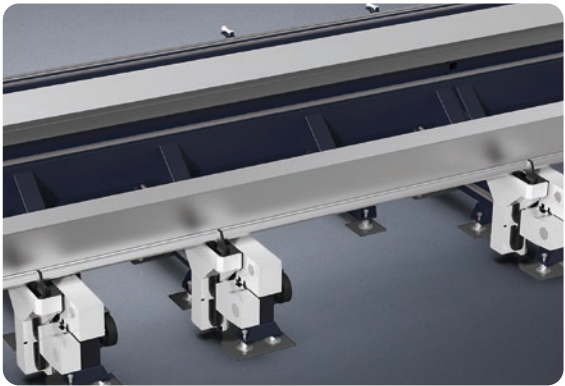
Reduced Labor Costs
Lowers labor costs through automation

Automatic Loading
Supports continuous, unmanned production

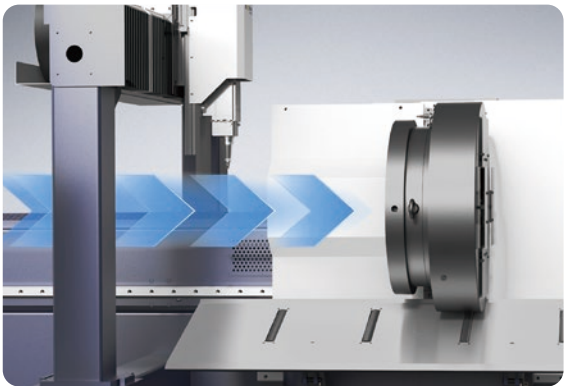
Performance Advantages



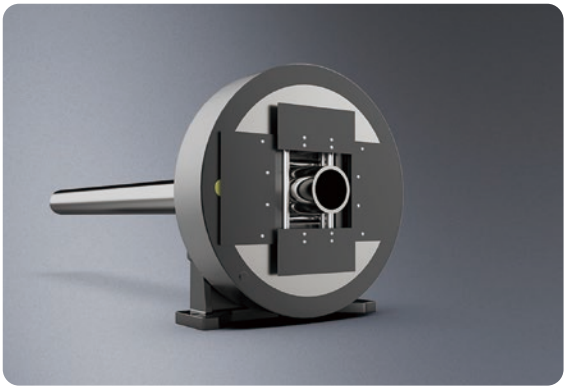
One-Click Tube End Alignment
Automated positioning system quickly aligns tube ends with a single command, eliminating manual adjustment and improving processing efficiency. Ensures consistent accuracy for batch production and reduces setup time.



Follow-Up Support System
Dynamic support mechanism adjusts in real time with tube movement, preventing sagging and vibration during cutting. Enhances stability and ensures high-quality results on long and heavy tubes.



Chuck Overtravel Zero-Tail Cutting
Extended chuck travel enables maximum material utilization, achieving near zero tail material and minimizing waste. Improves cost efficiency while maintaining precise and stable clamping performance.



Pneumatic Self-Centering Chuck
High-response pneumatic chuck automatically centers and clamps tubes of various shapes and sizes. Provides strong, stable gripping force to ensure accuracy and reliability during high-speed cutting.

Cutting Samples



Industries Served

Construction Machinery
Bevel Cutting · Welding Preparation · High Precision

Excavator Booms · Crane Structures · Heavy Equipment Components

Steel Structure Manufacturing
Complex Profiles · Efficient Fabrication · Precise Bevels

Columns · Trusses · Structural Tubes · Building Frameworks

Shipbuilding & Offshore Engineering
Multi-Angle Bevels · Heavy Tubes · Stable Processing

Marine Structures · Offshore Platforms · Ship Piping Systems

Industrial Equipment Manufacturing
Precision Fabrication · Bevel Cutting · Reliable Production

Pressure Pipelines · Process Equipment · Machine Structures

Technical Specifications

Model	N Series
Laser Power	12000W
Bevel Cutting Angle	±45°
Tube Diameter	Φ20mm-120mm/240mm/350mm
Tube Length	Standard 6m/9m/12m
X/Y Re-positioning Accuracy	±0.03mm
Max. Linkage Speed	100m/min
Max. Linkage Acceleration	1.5G