

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.



BIPOD series

FULLY AUTOMATED LASER CUTTING LINE WITH LOADING,
UNLOADING & SORTING



SET THE STANDARD
OF EXCELLENCE

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BIPOD series

Fully Automated Laser Cutting Line with Loading,
Unloading & Sorting

6-40kW

Laser Power

2G

Max. Linkage Acceleration

180m/min

Max. Axis Linkage Speed



Efficient Sorting

BIPOD Grippers
240kg Load | 1-25mm Plates
60% Faster Unloading



Minimal Labor

One-Click Start
Save 3-4 Operators
80% Less Labor



Data Connectivity

ERP/MES/AGV Integration
Smart Management
Real-Time Data



Software Ecosystem

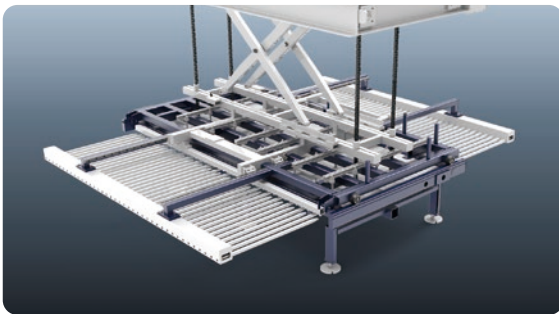
Integrated Software System
Nesting, Cutting, Sorting
Centralized Control

Performance Advantages



Intelligent Material Warehouse

4-15 levels (Tailored to customer needs)
Maximum load capacity per cargo space: 5 tons
Allowable stacking sheet size:
3000mm×1500mm, 4000mm×2000mm, 6000mm×2500mm



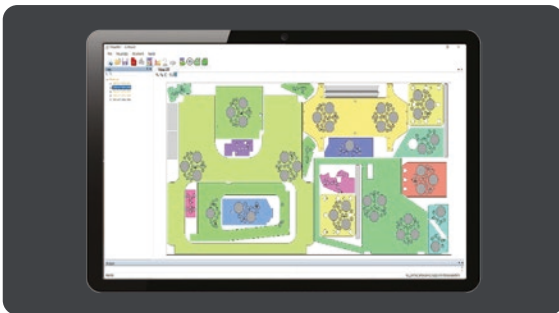
Truss Composite Loading & Unloading Robot

Servo-driven | ±0.5mm accuracy | Full-area vacuum suction | Auto sheet separation & cornering | Single-sheet detection | Power/air-off safety



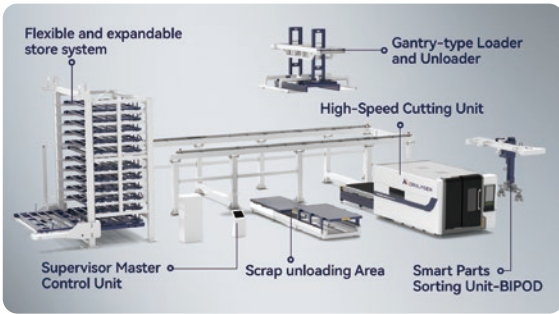
Bipod Sorting Unit

Maximum gripping force: 240Kg
Positioning accuracy: ±0.5mm
Maximum gripping size: 2500mm×1000mm
Minimum gripping size: 150mm×150mm
Multi-axis linkage for fast and efficient operation



Intelligent Sorting Software-SOFTWARE

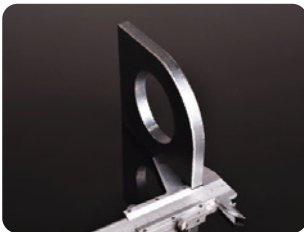
Automatically generates gripper pick-up positions
Automatic planning of gripper sorting paths
Automatic generation of stacking position data



Intelligent Laser Cutting Center

Combining flexible storage, gantry loading/unloading, and high-speed cutting with the BIPOD Smart Parts Sorting, Supervisor Master Control, and automated scrap handling for fully automated, efficient, and precise material processing.

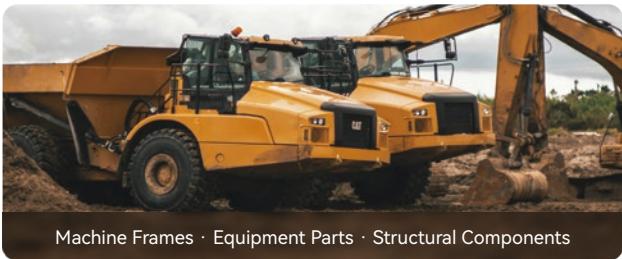
Cutting Samples



Industries Served

Machinery Manufacturing Industry

Efficient Processing · Stable Precision



Machine Frames · Equipment Parts · Structural Components

Automotive & Commercial Vehicles

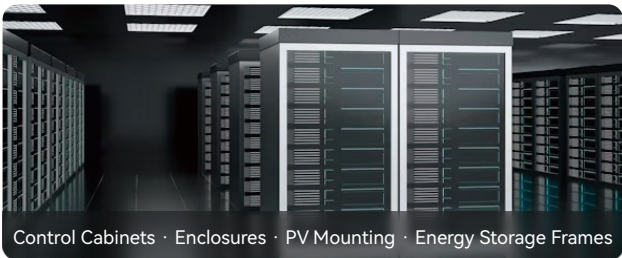
High Precision · Consistent Quality · Mass Production



Subframes · Cross Members · Chassis Parts · Structural Components

Electrical & Energy Equipment

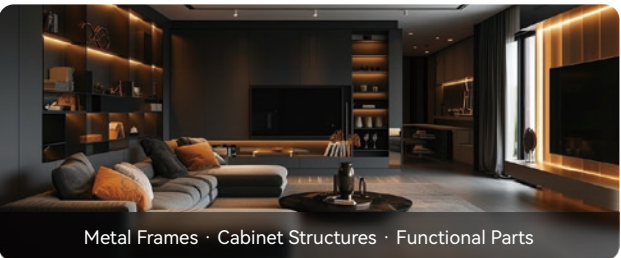
High Precision · Flexible Processing



Control Cabinets · Enclosures · PV Mounting · Energy Storage Frames

Furniture & Home Appliances

High Precision · Long-Lasting Durability



Metal Frames · Cabinet Structures · Functional Parts

Technical Specifications

Model	GH3015	GH4020	GH6025
Robot Types	Independent Manipulator	Compound Manipulator	Compound Manipulator
Sorting by PlateThickness	1-14mm	1-16mm	1-25mm
Number of Tiers	10 tiers (customizable)		
Max. Suction Weight	500KG	1000KG (weight-based selection)	2000KG (weight-based selection)
Octopus gripper selection: M002B2510(Standard)	Max. gripping size: 2500mm*1000mm Min. gripping size: 150mm*150mm Max. gripping weight: 240KG		
Max. Net Load per Layer	3000kg	5000kg	5000kg