Tailift

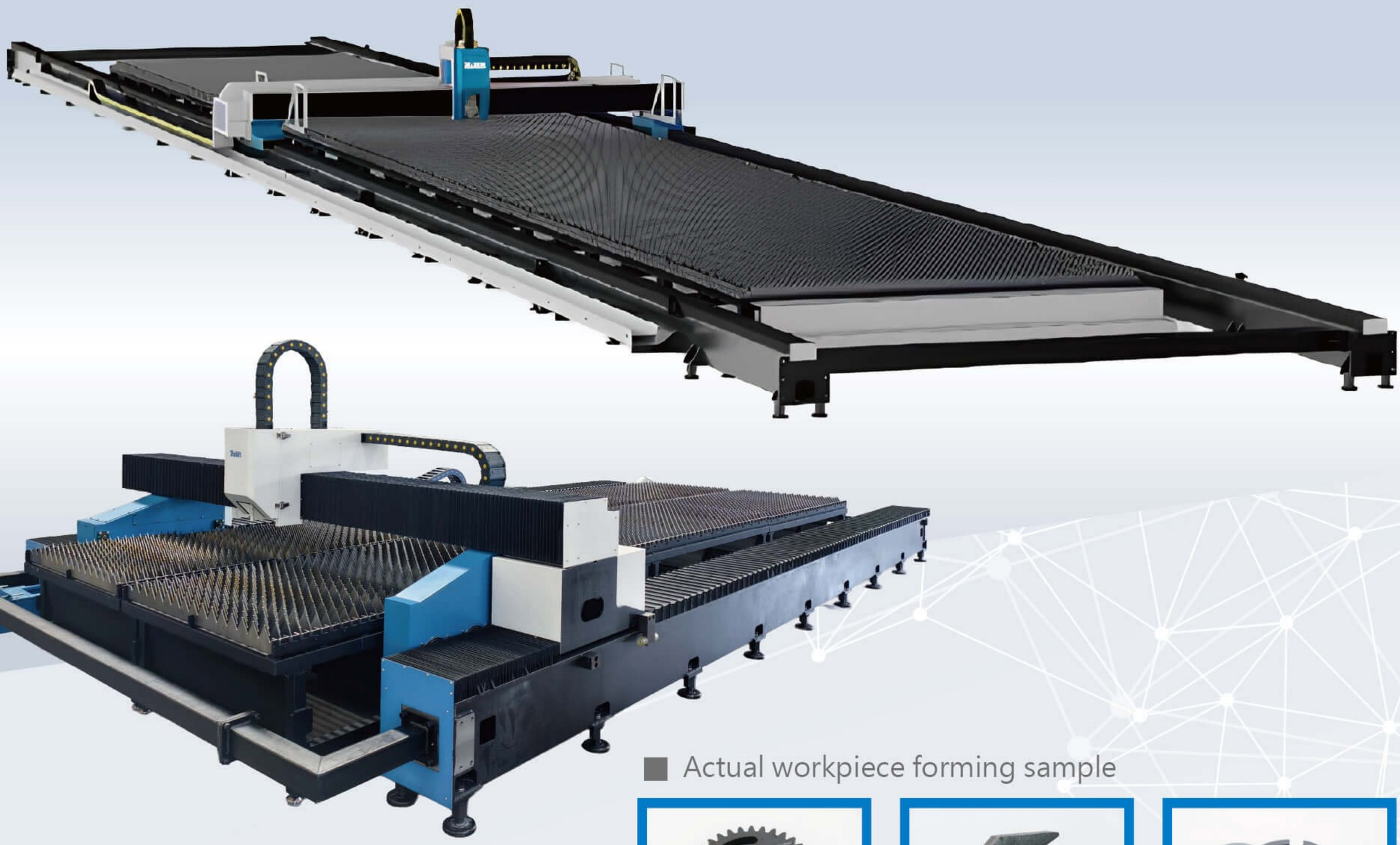
The Pioneer of

Fiber Laser Cutting

L SERIES 12KW~60KW

LOWER BED TYPE LASER CUTTING MACHINE

Tailift Group “LOWER BED TYPE LASER CUTTING MACHINE” Not just a high-performance processing solution, but a trusted partner on your journey toward smart manufacturing and enhanced competitiveness.Built with a robust gantry-rail structure, this machine delivers precise cutting capability and a user-oriented operating design. Its high-efficiency dust-extraction and waste-removal system ensures clean, reliable performance even under long-term, heavy-duty operation. Together, these features guarantee exceptional productivity, accuracy, and durability—fully showcasing Tailift’s commitment to advanced manufacturing excellence.

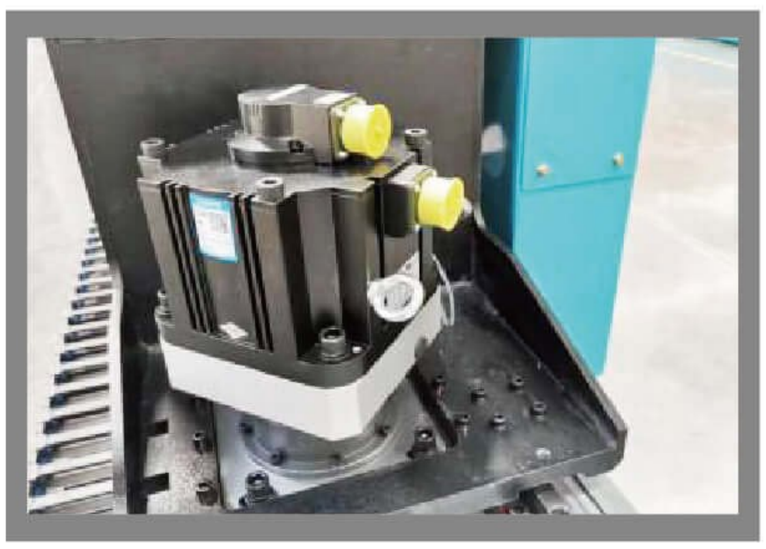


■ Actual workpiece forming sample

WIDTH UP TO 6 METERS,
LENGTH INFINITELY EXTENDABLE.

L series

Tailift
SINCE 1973



Tailift – 30 Years of Production Expertise in Laser Industry

With over three decades of accumulated know how, Tailift has developed unique competitive advantages through autonomous research and development. Our machines embody precision engineering and robust design, ensuring superior performance in demanding industrial environments.

- **Type 30 Linear Guide Rail & 8 Meter Rack**
  Provides exceptional stability and smooth motion for high accuracy cutting.
- **Vertical Double Sided Three Point Force Beam**
  Ensures balanced load distribution and enhanced structural rigidity.
- **Box Type Ground Rail Structure with Integrated Machining**
  Delivers long term durability and precise alignment through advanced linear guide design.
- **Heavy Duty Wide Sliding Block Support Beam Drive**
  Guarantees reliable operation under heavy loads and continuous duty cycles.
- **Pre Installed Air Blow Inlet & Dust Extraction Outlet**
  Maintains a clean working environment and efficient debris removal for consistent performance.
- Together, these innovations highlight Tailift's commitment to engineering excellence, reliability, and smart manufacturing solutions—empowering customers with machines that combine durability, precision, and efficiency.

Raycus Oscillator

Multi-module continuous fiber laser Raycus Q-switched pulsed fiber laser has the advantages of high peak power, high single pulse energy, and optional spot diameter. It can be widely used in marking, precision machining, graphic engraving, etc. of non-metallic, gold, silver, copper, aluminum resistant to plateau stress It can also be applied to stainless steel materials that are not resistant to plateau stress.

MAX Oscillator

CW FIBER LASER is a high-power fiber laser with high electro-optical conversion efficiency, compact size, good beam quality and maintenance-free. Wide fiber core diameter range from 100~600um, can be customized from 800um~1000um. Mainly used in metal welding and cladding and other fields such as new energy, 3C, precision machining.

BOCHU Cutting head

The BLT Series represents a pinnacle of intelligent laser cutting technology, meticulously engineered to deliver exceptional performance across demanding industrial applications. By utilizing a sophisticated bus control system for seamless data transmission between the cutting head and the host machine, the series facilitates truly intelligent and responsive operational control.
Key Advantages:

Intelligent Thermal Management: Each unit features high-efficiency water cooling interfaces designed to connect with external cooling systems, ensuring stable temperatures during prolonged operations.

Versatile Gas Integration: Integrated gas interfaces support both cutting and auxiliary gases, which are essential for achieving high-precision results and versatile functionality.

Quality Assurance & Traceability: Every BLT cutting head is equipped with a detailed nameplate providing complete transparency on the model, serial number, and interface specifications to ensure the product perfectly aligns with your professional requirements.

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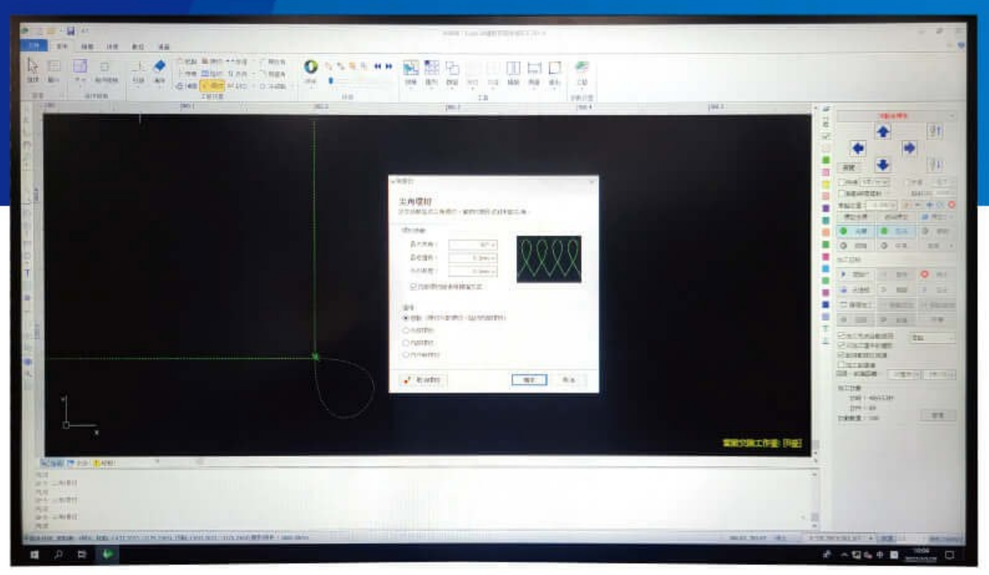

CNC Controller

· Easy to operation interface-user friendly Cutting Correction, burn correction,
Punching correction at different processing component.

Cutting technology

· Supports three-stage perforation,segmented or progressive combinations.
· Supports communication control of most mainstream lasers on the market.
· Supports basic processes such as flight cutting,frog jumping, compensation, lead wire, microlinking, pre-piercing, and tape cutting.
· Supports capacitive edge seeking, photoelectric, motorized focus,double exchange table, auto sampling, round tube cutting, power failure memory and other advanced funcityion modules.
· Supports cooling point, sharp corner ring cutting,release corner and other advanced technology.

Controller

· Swivel operation box is convenient for the operator to operate at different angles. User-friendly operation interface,simple operation,easy to use.
· The cutting sequence is automatically optimized.
· Cutting path simulation,monitor the cutting process at any time.
Pseudo-dual drive, suppport dual drive error detection function.

SPECIFICATIONS

Item	unit	L12025	L13030	L14035	L26036	L26040	L26050
Beam Type		Aluminum Beam				Steel Beam	
Laser Power	W	6000~60000W					
X/Y-axis Positioning Accuracy	mm	±0.05mm					
X/Y-axis Repositioning Accuracy	mm	±0.05mm					
Max Rapid Travel Speed		80m/min / 100m/min (OPT)					
Max Acceleration		0.8G /1.2G (OPT)					
Input Voltage		380V-50/60Hz(Customized)					
Working Area	mm	12000x2500	13000x3000	14000x3500	26000x3600	26000x4000	26000x5000
Laser Resonator		Raycus/Max					
Laser Cutting Head		BLT series/Raytools					
Overall Dimensions(L*W*H)	mm	16000x3500x1500	16000x4800x2160	16000x4500x1500	32000x4800x1500	32000x5200x1500	32000x6200x1500

Description	Manufacturer	Description	Manufacturer
Rack and pinion	Taiwan Delta / YYC	Oscillator	China MAX PHOTONICS / Raycus
Linear guide	Taiwan HIWIN Technologies Corp.	Cutting head	BOCHU
Gear reducer	TECHMECH / YYC	CNC system	CYPCUT
Gantry structure	Tailift Group	Cooling system	HANLI
Motor system	Delta	Gas system	LANNY

■ Specifications are subject to change without prior notice.

Tailift GROUP

Tailift Co., Ltd.

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