



FIBER LASER CNC

MACHINES CATALOG



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SHEETMASTER FL 408

The SheetMaster FL 408 is a cutting-edge metal sheet fiber laser cutting machine designed for super-large format applications. With a customizable working area of approximately 40 feet x 8 feet, this machine offers unparalleled cutting capabilities for diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Machine Dimensions: 48 ft * 12 ft * 7 ft.

Working area: Length: 40 feet, Width 8 feet
(Other sizes can be customized)

Great Generator power range from 1 to 30 kW
Repeated Positioning Accuracy +0.0008 inches

Max Running Speed 394 feet per minute

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ☑ Segmented splicing bed tailor-made for ultra-large-format thick plates.
- ☑ Separate bed and worktable design ensuring exceptional dynamic performance and prolonged service life.
- ☑ Plate welding frame crafted from annealed and heat-treated materials to guarantee zero deformation over two decades.
- ☑ Innovative four slings working bed doubling the life span of the fiber laser cutting machine's work bed.
- ☑ Aerospace-grade aluminum beam crafted to aerospace standards using a 4300-ton press extrusion molding process resulting in impressive strength.

Full Coverage, Super Suction

- ☑ Equipped with a full 360° strong adsorption system and fully enclosed smoke control.

- ☑ Smoke exhaust devices in each section of the bed.
- ☑ Automatic sensing of laser cutting position enables precise and efficient smoke exhaust management.
- ☑ Concealed cavity design ensures clean smoke and rejects lens contamination.
- ☑ Axial fan wind direction facilitates effective smoke and dust elimination from the cutting platform.

Auto Focus Cutting Head

- ☑ Advanced autofocus cutting head.
- ☑ Motorized focus position adjustment for automatic machine setup and piercing work.
- ☑ Lightweight and slim design allows for rapid acceleration and cutting speed.
- ☑ Innovative features include automated piercing, permanent protective window monitoring, drift-free and fast-reacting distance measurement, water cooling of sheet metal, and a complete dustproof beam path with protective windows.
- ☑ All sensor data can be accessed via WLAN through the APP and machine control.
- ☑ Pressure monitoring in the nozzle area (gas cutting) and the head.

Transmission and Precision

- ☑ High-quality German Atlanta rack, cutting-edge motor, and Rails.
- ☑ Precise positioning accuracy of approximately 0.0008 inches and a cutting acceleration of 2G Working life exceeds 15 years, guaranteeing long-term reliability and productivity.

The SheetMaster FL 408, a Super Large Format Metal Plate Fiber Laser Cutting Machine sets a new standard in laser cutting technology, offering outstanding capabilities and durability for various industries.



PLATEMASTER FL 407

The PLATEMASTER FL 407- is a metal plate fiber laser cutting machine designed for super large format applications with an impressive working area of approximately 40 feet x 7 feet. This versatile machine offers a laser power range from 4 kW up to 20 kW, providing powerful cutting capabilities to meet diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Machine Dimensions: 48 ft * 12 ft * 7 ft.

Working area: Length: 40 feet, Width 7 feet
(Other sizes can be customized)

Great Generator power range from 4 to 20 kW
Repeated Positioning Accuracy +0.0008 inches

Max Cutting acceleration : 1.5G

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Eco-friendly ventilation system

*Safety grating: Stops the equipment if someone enters the processing area by mistake, avoiding dangerous situations.

Design and Construction

- ☑ Sturdy plate welding frame Suitable for 20 kW laser, increasing cutting speed.
- ☑ New cast aluminum beam: It is manufactured with aerospace standards and molded by extrusion. It has high strength, lightness, anti-corrosion, and anti-oxidation. It improves processing speed.
- ☑ Innovative four-sling working bed.
- ☑ Full coverage, super suction.

Cutting Performance:

- ☑ Auto Focus Cutting Head: Motorized focus position

adjustment allows for automatic machine setup and piercing work.

- ☑ Its lightweight and slim design ensures fast acceleration and cutting speed.
- ☑ Drift-free and fast-reacting distance measurement.
- ☑ Permanent protective window monitoring ensures safety during operations.
- ☑ Automated piercing and water cooling of the sheet metal with enhanced cutting efficiency.
- ☑ The machine's completely dust proof beam path with protective windows ensures optimal performance.
- ☑ LED operating status display and WLAN data output offer convenient monitoring and control. Pressure monitoring in the nozzle area (gas cutting) and in the head further enhances precision.
- ☑ A powerful fiber laser source can cut up to almost 2 inches thick. The laser source a lifespan of up to 100,000 hours, and high reliability.

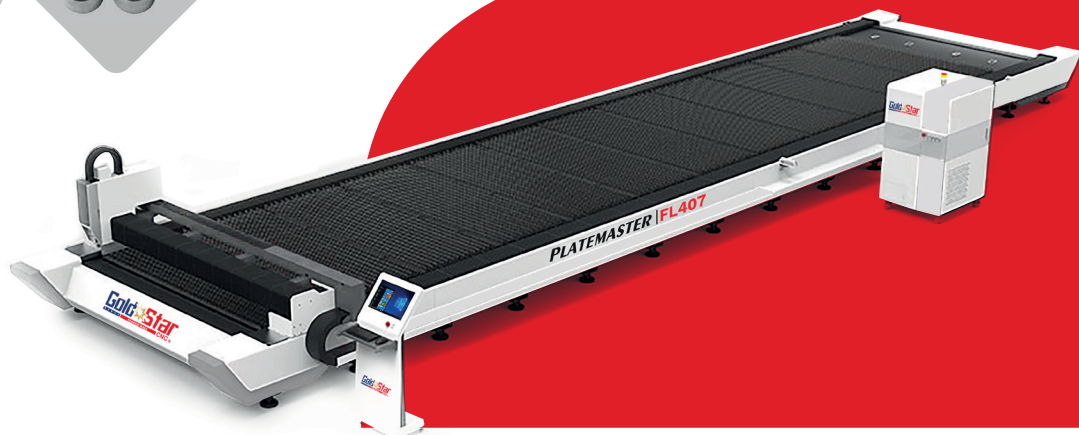
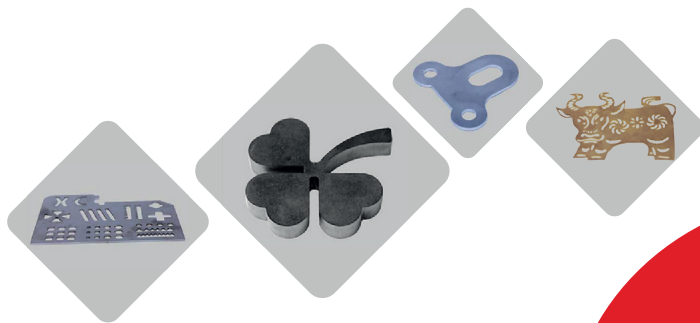
Stable cutting performance

- ☑ Equipped with an advanced tech Rack, a high-quality motor, and durable Rails, providing a positioning accuracy of 0.0008 inches and a cutting acceleration of 1.5G. The machine's lifespan exceeds 15 years.

Independent Control Cabinet

- ☑ Dust-proof design.
- ☑ An automatic thermostat.

The PLATEMASTER FL 407- Super Large Format Metal Plate Fiber Laser Cutting Machine sets a new standard in laser cutting technology, offering outstanding capabilities and durability for various industries. With its exceptional cutting power and large working area, it is the perfect solution for tackling the most demanding metal-cutting tasks.



POWERBEAM FL 338

The POWERBEAM FL 338 is a state-of-the-art fiber laser cutting machine designed for precision and efficiency. With a working area of approximately 8 ft * 33 ft and a maximum running speed of 525 ft/min, this machine offers exceptional cutting capabilities for diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Machine Dimensions: 90 ft * 14 ft * 8 ft

Working Area: 33 ft * 8 ft

(other sizes can be customized).

Generator Power Range: 1kW – 30kW

Repeated Positioning Accuracy: 0.0008 in

Max Running Speed: 525 ft/min

Max Acceleration: 2G

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ✓ Fully enclosed design with CE Standard laser protective glass for safety and environmental protection.
- ✓ Brand new cast aluminum beam with aerospace standard manufacturing for good toughness, lightweight, and anti-oxidation.

- ✓ Steel plate weld machine frame with high mechanical strength and reinforcing ribs arranged inside the bed for high stability and low vibration.

Intelligent Autofocus

- ✓ Equipped with an intelligent autofocus system for automatic focus and high-efficiency cooling.
- ✓ Capable of high-speed cutting with chase-the-light aperture technology.

Independent Control Cabinet

- ✓ Dust-proof design with all electrical components and laser source built-in to the independent control cabinet.
- ✓ Equipped with an automatic thermostat and air conditioner for constant temperature control.

Transmission and Precision

- ✓ Equipped with a premium rack, high-tech motor, and durable rails for precise positioning accuracy of approximately 0.0008 in and a cutting acceleration of 2G.
- ✓ Working life exceeds 15 years, guaranteeing long-term reliability and productivity.

The POWERBEAM FL 338 Fiber Laser Cutting Machine sets a new standard in laser cutting technology, offering outstanding capabilities and durability for various industries.



FIBERCRAFT FL 105

The FIBERCRAFT FL 105 is a powerful metal iron sheet laser cutter designed to offer exceptional cutting capabilities for various industrial requirements. With a working area of approximately 5 feet x 10 feet (other sizes can be customized), this machine provides precision and accuracy in cutting metal sheets.

Features

TECHNICAL SPECIFICATIONS

Power of Generator: 3 kW – 12 kW

Dimensions: 13 feet * 26 feet * 7 feet

Working Area: 10 feet * 5 feet

(Other sizes can be customized)

Repeated Positioning Accuracy: 0.0008 inches

Max Running Speed: 394 feet/min

Max Acceleration: 2G

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ☑ Exchange Table: up-and-down exchange platform, can finish the platform exchange within 15s.

Aviation Aluminum Gantry

- ☑ The gantry is manufactured with aerospace standards and formed by 4300 tons of press extrusion molding. After aging treatment, its strength can reach 6061 T6, which is the strongest strength of all gantries.

- ☑ Steel Plate Weld Machine Frame.

Transmission and Precision:

- ☑ Equipped with a durable rack, advanced technology motor, and reliable Rails. The positioning accuracy of the machine tool can be 0.0008 inches, and the cutting acceleration is 2G. The working life is up to more than 15 years.
- ☑ Smoke Exhaust Device.

Laser Generator

- ☑ The machine's laser generator is suitable for a power range of 1 kW – 12 kW (4 kW optional). with a focusing speed of 33 feet/min and a repeat accuracy of 0.002 inches.

Independent Control Cabinet

- ☑ All electrical components and laser source are built-in to the independent control cabinet with a dust-proof design to prolong the lifespan of the electrical components. The control cabinet is equipped with an air conditioner for automatic constant temperature, which prevents excessive temperature damage to components in summer.

In conclusion, the FIBERCRAFT FL 105 metal iron sheet laser cutter is a powerful machine that provides exceptional cutting capabilities for various industrial requirements. Its features, including the exchange table, aviation aluminum gantry, steel plate weld machine frame, transmission and precision, smoke exhaust device, laser generator, and independent control cabinet, make it a reliable and efficient machine for metal sheet cutting.



SPINFORCE FL 105

The SPINFORCE FL 105 is a sophisticated metal sheet fiber laser cutting machine designed for cutting various materials such as steel, aluminum, stainless steel, and more. With a customizable working area of 10 ft x 5 ft, this machine offers unparalleled cutting precision and quality for diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Machine Dimensions: 17 ft x 28 ft x 7 ft

Working Area: 10 ft * 5 ft
(other sizes are customizable)

Power of Generator: 3kW-12kW

Repeated Positioning Accuracy: ± 0.0008 in

Max Running Speed: 393 ft/min

Max Acceleration: 2G

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Exchange Table: Up and down exchange platform controlled by the converter, able to finish the platform exchanging within 15s.

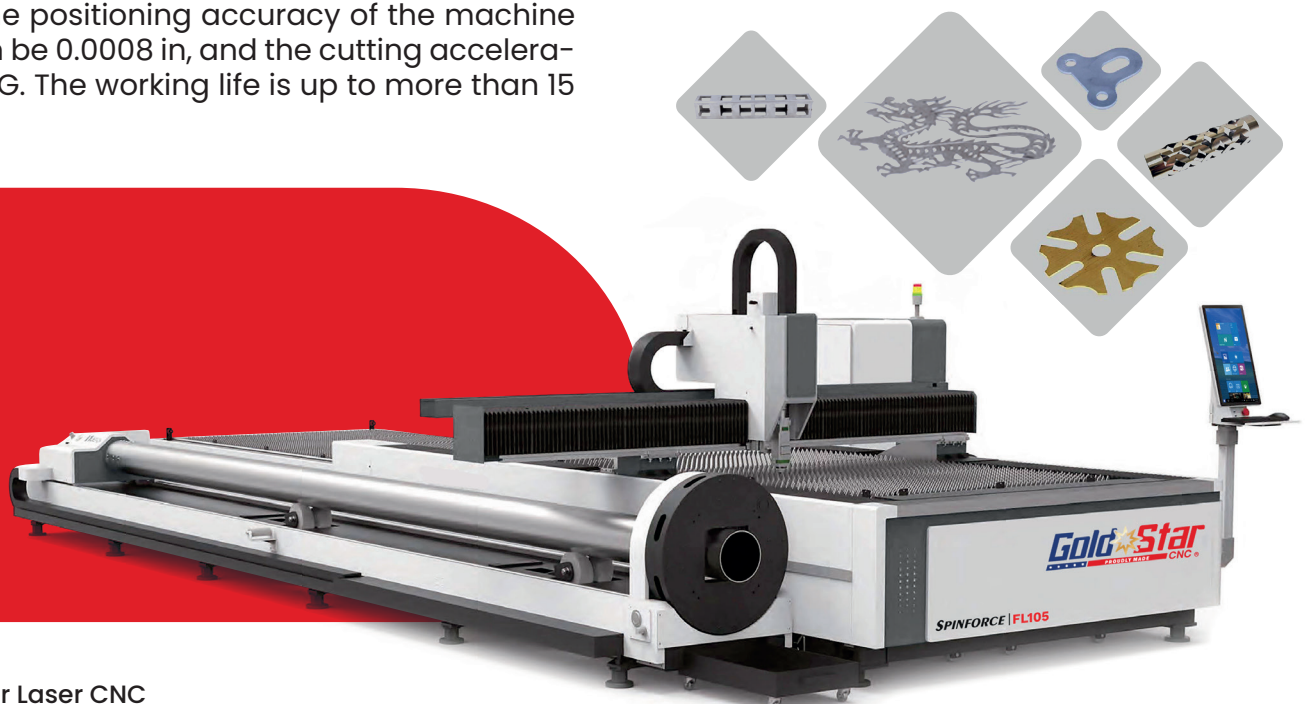
Design and Construction

- ✗ Aviation Aluminum Gantry: Manufactured with aerospace standards and formed by 4300 tons press extrusion molding, this gantry has high strength and is resistant to corrosion, oxidation, and deformation.
- ✗ Steel Plate Weld Machine Frame: Welded by heavy steel plate with high stability, mechanical strength, and resistance to deformation.
- ✗ Reinforcing Ribs: The bed has reinforcing ribs which increase the strength and tensile resistance of the bed and reduce deformation.
- ✗ Transmission and Precision: The machine has a professional rack, high-tech motor, and durable Rails. The positioning accuracy of the machine tool can be 0.0008 in, and the cutting acceleration is 2G. The working life is up to more than 15 years.

Rotary

- ✗ Rotary Length: 20 ft standard, 26 ft (other sizes can be customized).
- ✗ Rotary Diameter: 7 ft is standard. Other sizes can be customized.
- ✗ Chuck: Both pneumatic controls.
- ✗ Professional Clamp Design: Automatic pneumatic chuck, adjustable and stable, the clamping range is wider, and clamping force is larger.
- ✗ Powerful negative pressure 360° adsorption Axial fan wind direction surrounds blowing smoke downward. Full 360° strong adsorption and consistent smoke exhaust.
- ✗ Laser Generator: Suitable Power: 1kW-3kW (4kW optional), Intelligent Autofocus, High-efficiency cooling, Chase the light aperture, Automatic focus, and High-speed cutting.
- ✗ Independent Control Cabinet: Dust-proof, all electrical components and laser source are built-in to the independent control cabinet with a dust-proof design to prolong the lifespan of the electrical components. An automatic Thermostat is also included to prevent excessive temperature damage to components in summer.

The SPINFORCE FL 105 CNC Fiber Laser Cutting Machine sets a new standard in laser cutting technology, offering sophisticated capabilities and durability for various industries.



IRONFIBER FL 105

The IRONFIBER FL 105 is a cutting-edge metal iron fiber laser cutting machine designed for diverse industrial requirements. With a customizable working area of approximately 10ft x 5ft.

Features

TECHNICAL SPECIFICATIONS

Power of Generator: 3 kW to 12 kW

Machine Dimensions: 16 ft x 29 ft x 8 ft

Working Area: Width: 10 ft, Length: 5 ft

(Other sizes can be customized)

Repeated Positioning Accuracy: ± 0.0008 inches

Max Running Speed: 393 ft per minute

Max Acceleration: 2 G

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ☑ Fully enclosed design Standard laser protective glass and smoke filtering.
- ☑ Aviation Aluminum Gantry: Manufactured with aerospace standards and formed by 4300 tons of press extrusion molding.
- ☑ Steel Plate Weld Machine Frame: Welded by heavy steel plate with high stability and mechanical strength.
- ☑ Transmission and Precision: Equipped with a top-quality rack, reliable motor, and high-tech rails.
- ☑ Rotary Length: 66 ft standard (other sizes can be customized).
- ☑ Rotary Diameter: 6 inches/9 inches standard (other sizes can be customized).

- ☑ Pneumatic Chuck Clamping Design: Adjustable, can modulate the center automatically. the diagonal adjustable range is 0.8 - 9 inches (13 / 14 is optional).
- ☑ Fractional Automatic Support Installation.
- ☑ Smoke Exhaust Device: Full coverage, super suction, and the latest cutting-edge tobacco control technology.
- ☑ Laser Generator: Suitable Power: 1kW - 3kW (4kW optional).
- ☑ Intelligent Autofocus chases the light aperture.
- ☑ Independent Control Cabinet: Dustproof with automatic thermostat and air conditioner.
- ☑ The up-and-down exchange platform takes up to 15 seconds.
- ☑ After aging treatment, the strength of the Aviation Aluminum Gantry can reach 6061 T6, which is the highest strength of all gantries.
- ☑ The Steel Plate Weld Machine Frame has an effective force annealing treatment and is not easy to deform.

In summary, the IRONFIBER FL 105 is a cutting-edge metal iron fiber laser cutting machine that offers unparalleled cutting capabilities for various applications. With its customizable working area, high precision, advanced features, and safety and environment protection measures, this machine can help businesses improve their efficiency and productivity.



LASERPRO FL 105

LASERPRO FL 105 is a highly efficient and cost-effective industrial laser cutting machine. It provides high stability and precision for cutting metal tubes and sheets with its aviation-grade aluminum structure, steel plate welded machine frame, and intelligent autofocus system. The machine is user-friendly and easy to maintain with its independent control cabinet and dust-proof design.

Features

TECHNICAL SPECIFICATIONS

Machine Size: 16 ft x 27 ft x 7 ft

Power of Generator: 1kW – 20KW

Working Area: 10 ft * 5 ft

(Other sizes can be customized)

Repeated Positioning Accuracy: ± 0.0008 in

Max Running Speed: 394 ft/min

Max Acceleration: 2G

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Main Parts

- ✓ Aviation Aluminum Gantry, manufactured with aerospace standards and formed by 4300 tons of press extrusion molding. After aging treatment, its strength can reach 6061 T6 which is the strongest strength of all gantries.
- ✓ Steel plate weld machine frame.

Rotary

- ✓ Rotary Length: 20 ft standard, 26 ft, and other sizes can be customized.
- ✓ Rotary Diameter: 6 / 9 in is standard. Other sizes can be customized.
- ✓ Chuck: Both pneumatic controls.
- ✓ Pneumatic Chuck Clamping Design adopted on both sides and it can modulate the center automatically. The diagonal adjustable range is 0.8 in – 9 in (13 in / 14 in is optional).

Professional Clamp Design

- ✓ Automatic pneumatic chuck, adjustable and stable, the clamping range is wider, and clamping force is larger.
- ✓ Fractional Automatic Support Installation with tube support design.

The high-efficiency cooling

- ✓ Collimating lens and focus lens group is cooling structure, increase cooling airflow nozzle at the same time, the effective protection of nozzle, the ceramic body, prolonged work time.

Chase the light aperture

- ✓ The pore diameter of 1 inch approximately, effectively reduces stray light interference, ensuring cutting quality and service life.
- ✓ Intelligent Autofocus and Automatic focus, focusing speed 33 ft/min, repeat accuracy of 0.0008 in.

High-speed cutting

- ✓ 1-inch carbon steel sheet pre-punch time < 3 s @ 3 kW, greatly improving cutting efficiency.
- ✓ Independent control cabinet with a dust-proof design.
- ✓ Automatic Thermostat equipped with an air conditioner.

Transmission and Precision

- ✓ Equipped with a top-quality rack, high-tech motor, and reliable Rails.

LASERPRO FL 105 is a cost-effective and low-maintenance industrial laser-cutting solution for both metal tubes and sheet metal. It provides high stability and precision for cutting.



FIBERTECH FL 105

The FIBERTECH FL 105 is an enclosed fiber laser cutting machine that offers solutions for a whole processing system. With a working area of approximately 10 feet x 5 feet, this machine is capable of handling a range of laser power options from 1kw to 4kw.

Features

TECHNICAL SPECIFICATIONS

Machine Dimensions: 18 feet x 26 feet

Working Area: Length: 10 feet, Width: 5 feet

Laser Power Options: 1kw/1.5kw/2kw/3kw/4kw

X/Y-axis Positioning Accuracy: 0.001 inches

X/Y-axis Repositioning Accuracy: 0.001 inches

X/Y-axis Max. Linkage Speed: 459 feet/min

Leveling Accuracy: \leq 0.1 inches / 7 feet²

Processing Plate Thickness: 0.03 inches ~ 0.1 inches

Coil Size:

Coil Outer Diameter: 4 feet ~ 7 feet

Coil Inner Diameter: 2 feet

Coil Weight: \leq 44 lbs

Leveling Speed: \leq 65 feet/min

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

The FIBERTECH FL 105 sets a new standard in laser cutting technology with its advanced features and capabilities.

Main Parts

The FIBERTECH FL 105 offers solutions for a whole processing system, featuring integration of automatic uncoiling, leveling, feeding, and cutting to ensure continuity of processing and production. This improves processing efficiency and reduces labor intensity through flow line production and batch processing. The full enclosure design provides a compact structure with higher safety and environmental protection during operation.

- ☑ **Uncoiling Parts:** The uncoiler unwinds the roll material with a width of 24 inches ~ 49 inches and a load of 22,000 lbs.
- ☑ **Leveling Parts:** The leveling feeder levels the material with an adjustment accuracy of correction amount of \pm 0.001 inches.
- ☑ **Dimensions:** 118 inches x 59 inches.
- ☑ **Automatic feeding of coil material** allows for continuous cutting and batch processing, improving processing efficiency and reducing labor intensity.
- ☑ **Cast Aluminum Crossbeam:** The crossbeam is crafted from cast aluminum.



TUBEFIBER FL 105

The TUBEFIBER FL 105 is an advanced metal tube-cutting machine designed for stainless steel, copper, and carbon steel. Equipped with a 1 kW - 3 kW generator, front, and rear dual pneumatic chucks, and a positioning accuracy of 5 ft x 10 ft (customizable sizes available), this machine offers exceptional cutting capabilities.

Features

TECHNICAL SPECIFICATIONS

Chuck speed of 262 ft/min and a maximum speed of 230 ft/min

Applicable pipe specifications: Round tube 1 in - 3 in

Tube length of 20 ft and silo load-bearing of 6600 lb

Single maximum weight of 440 lb

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

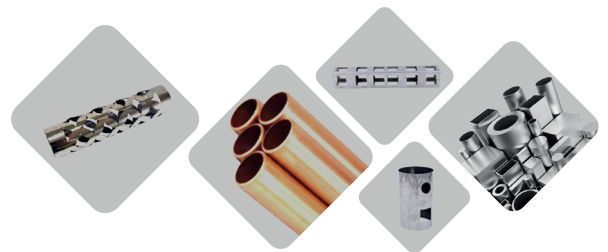
- ✓ Segmented rectangle laser tube welded bed with good rigidity, high precision, and no deformation during the life cycle.
- ✓ Welded aluminum collet board formed through high precision process with good weight and dynamic performance.
- ✓ Pneumatic chuck clamping design on both sides with automatic modulation of the center and diagonal adjustable range of 1 in - 9 in (13 in is optional).

- ✓ Professional clamp design with automatic pneumatic chuck, wider clamping range, and larger clamping force.
- ✓ Fractional automatic support installation with intelligent tube support design to solve deformation problems during long tube cutting.
- ✓ Absolute value servo motor system equipped with a servo motor to enable operation without returning to zero after booting up and a key recovery cutting operation.

Intelligent Alarm System

- ✓ Can detect anomalies in advance, reduce hidden dangers, and double the effect of abnormal detection of equipment.
- ✓ Features stroke intelligent protection to detect the whole process of cutting head working, quickly feedback the risk, and stop it.
- ✓ Intelligent autofocus that automatically adjusts the focus during the cutting process to achieve the best cutting effect of different thicknesses of metal.

Overall, the TUBEFIBER FL 105 Front Pull Type Metal Tube Cutting Machine is a cutting-edge solution for metal tube cutting needs. With its exceptional features, design, and construction, this machine sets a new standard for precision and efficiency in the industry.



PROPIPE FL 306

The PROPIPE FL 306 is a high-performance pipe and tube fiber laser cutting machine designed for professional use. Available in power generator options from 1kW to 8kW, this machine offers exceptional cutting capabilities for a wide range of applications. With a diameter clamping range of 0.03 feet to 30 feet, including the option for customization up to 14 inches, this machine provides outstanding flexibility for cutting various sizes of pipes and tubes.

Features

TECHNICAL SPECIFICATIONS

Machine Dimension: 6 feet * 30 feet * 7 feet

Power of Generator: 1kw-3kW

Repeated Positioning Accuracy: 0.0008 in

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ✔ Segmented Rectangle Laser Tube Welded Bed with good rigidity, high precision, and no deformation.
- ✔ Welded Aluminum Collet Board, formed through a high precision process, for excellent weight and dynamic performance.
- ✔ Pneumatic Chuck design with a diagonal adjustable range of 0.36 inches to 3.6 inches (6/12 inches optional).

- ✔ Professional Clamp Design with automatic pneumatic chuck, wider clamping range, and larger clamping force.
- ✔ Fractional Automatic Support Installation for intelligent tube support design to solve deformation problems in long tube cutting.
- ✔ Intelligent Autofocus for automatic focus adjustment during the cutting process for the best cutting effect of different thicknesses of metal.
- ✔ Absolute Value Servo Motor for the boot to homework operation without needing to return to zero and a key recovery-cutting operation in case of power outages.
- ✔ Safety Protection System with intelligent alarm system to detect anomalies in advance and stroke intelligent protection to quickly feed-back on the risk and stop it.

The PROPIPE FL 306 Professional Pipe and Tube Fiber Laser Cutting Machine is a top-of-the-line option for professional use, offering outstanding cutting capabilities and reliability. Its well-designed features and construction ensure high precision, flexibility, and safety for a wide range of pipe and tube cutting applications.



LASERGEN FL 209

Introducing the LASERGEN FL 209, a versatile and powerful tool designed to meet the needs of various industrial applications. With a power range of 1KW to 6KW, this machine offers outstanding performance and capabilities, making it an essential tool for any industrial workspace.

Features

TECHNICAL SPECIFICATIONS

Machine Dimensions: 34 ft * 5 ft * 8 ft

Power Range: 1KW to 6KW

Clamping Range: Round Tube: 1 in – 12 in,

Square Tube Side Length: 1 in – 12 in

Repeated Positioning Accuracy: +- 0.0008 inches

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Chuck: 20 ft in length and 9 in diameter

Strong Machine Frame:
Including three automatic cylinders

Design and Construction

☑ The LASERGEN FL 209 is designed and constructed with the utmost attention to detail, ensuring exceptional performance and durability. One of the key features of the machine is its pneumatic clamp design on both sides, which allows for automatic modulation of the center. This innovative design provides greater flexibility in tube positioning and alignment, with a diagonal adjustable range of 1 in to 9 in.

☑ The machine is also equipped with an advanced open-loop control system specifically developed for tube processing. This system supports the high precision and high-efficiency cutting of various tube shapes, including square tubes, circular tubes, track types, elliptical tubes, angle steel, and channel steel.

☑ In addition to its advanced design features, the LASERGEN FL 209 is also built to last. The machine frame is strong and durable, incorporating three automatic cylinders for added stability and support. The chuck has a length of 20 ft and a diameter of 9 in, providing ample space for holding and securing tubes during processing.

In conclusion, the LASERGEN FL 209 sets a new standard in industrial power generation, offering exceptional performance and versatility for a wide range of applications. Whether you're working with round or square tubes, this machine has the capabilities and features to deliver precise and consistent results every time.



TUBESLICER FL 377

TUBESLICER FL 377 is a professional metal tube-cutting machine designed for cutting round and square tubes made of stainless steel, carbon steel, and iron. With a power range of 1kW to 6kW, this machine offers unparalleled cutting capabilities for diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Machine Size: 7 feet * 37 feet * 7 feet.

Power of Generator: 1kW – 6kW

Clamping Range Diameter: 1 inch to 9 inches
(12 inches / 14 inches can be customized).

Repeated Positioning Accuracy 0.0008

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ☑ This machine features a semi-enclosed design with automatic lifting doors for convenience and worker safety. The heavy-duty welded bed ensures stable high-speed operation, while the front-end surrounded design improves the dust removal effect. It is also equipped with a double exhaust system for effective fume extraction, and the rear chuck is equipped with a waste collection system.
- ☑ The follow-up support component system helps prevent pipe-cutting errors caused by pipe deformation during the cutting process. The front end is equipped with front, rear, left, and right dual follow-up modules to ensure cutting accuracy, and automatic tilting and

blanking settings to prevent pipe scratches. It also features a special chuck with dynamic performance, speed up to 80r/min, and acceleration up to 1.5G.

Intelligent Autofocus

- ☑ This machine is equipped with an advanced autofocus system that automatically adjusts focus during cutting to achieve the best cutting effect on different thicknesses of metal.

Intelligent Alarm System

- ☑ It features an intelligent alarm system that can detect anomalies in advance to reduce hidden dangers and improve equipment and personal safety. The stroke intelligent protection system can quickly detect and stop risks during the cutting head's operation.

Transmission and Precision

- ☑ It features a pneumatic chuck clamping design with automatic center modulation and an adjustable diagonal range. The fractional automatic support installation helps prevent deformation during long-tube cutting. The professional clamp design includes non-destructive pipe clamping, fast automatic centering, and stable performance. The absolute value servo motor system allows for boot-to-homework operation without the need for zero return.

In summary, the TUBESLICER FL 377 sets a new standard in laser cutting technology, offering outstanding capabilities and durability for various industries.



3XCHUK FL 899

The 3XCHUK FL 899 is a state-of-the-art laser pipe-cutting machine designed for professional use. With a customizable clamping range of 0.8 inches to 9 inches (14 inches are optional), this machine offers unparalleled cutting capabilities for diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Machine Dimensions: 89 ft * 9 ft * 9 ft

Power of Generator: 3KW – 12KW

Clamping Range: diameter 0.8 in – 8 in / 0.8 in – 14 in

Square Tube Side Length: 1 in – 12 in

Repeated Positioning Accuracy: 0.008 in

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ☑ Segmented Rectangle Laser Tube Welded Bed with good rigidity, high precision, and no deformation.
- ☑ Professional Clamp Design with automatic pneumatic chuck, adjustable and stable, with a wider clamping range and larger clamping force.
- ☑ Non-destructive pipe clamping, fast automatic centering and clamping pipe, with more stable performance.
- ☑ The chuck size is smaller, with low rotation inertia and strong dynamic performance.
- ☑ Self-centering pneumatic chuck with gear transmission mode for higher transmission

efficiency, long working life, and higher work reliability.

- ☑ Equipped with a pneumatic clamp design on both sides that can modulate the center automatically.
- ☑ Fractional Automatic Support Installation.
- ☑ Intelligent tube support design to solve deformation problems during long tube cutting.
- ☑ Absolute Value Servo Motor.
- ☑ Boot to homework without the need for zero operation.
- ☑ Power outages with one key recovery cutting operation.
- ☑ Intelligent Autofocus.
- ☑ Advanced autofocus cutting head.
- ☑ Safety Protection System.
- ☑ Intelligent alarm system with stroke intelligent protection.

The 3XCHUK FL 899 Professional Three-Chuck Laser Pipe-Cutting Machine is a cutting-edge piece of technology that offers unparalleled capabilities and durability for various industries. With its advanced features, innovative design, and exceptional performance, this machine sets a new standard in laser cutting technology.



QUADCHUK FL 699

The QUADCHUK FL 699 is a cutting-edge laser pipe-cutting machine designed for professional use. With a customizable clamping range, this machine offers unparalleled cutting capabilities for diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Machine Dimensions: 69 ft * 9 ft * 9 ft

Power of Generator: 3kw - 12kW

Clamping Range: Φ 0.8 in - Φ 9 in / Φ 0.8 in - Φ 14 in

Repeated Positioning Accuracy: 0.008 in

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction:

- ☑ Segmented Rectangle Laser Tube Welded Bed with good rigidity, high precision, and no deformation during the life cycle.
- ☑ Welded aluminum collet board, formed through a high-precision process.
- ☑ Good weight and good dynamic performance.
- ☑ Pneumatic Chuck with a pneumatic clamp design on both sides that can modulate the center automatically.
- ☑ The diagonal adjustable range is 0.8 in - 9 in (13 in / 14 in is optional).

Professional Clamp Design:

- ☑ Automatic pneumatic chuck, adjustable and stable, with a wider clamping range and larger clamping force.

- ☑ Non-destructive pipe clamping, fast automatic centering and clamping pipe, with more stable performance.
- ☑ The chuck size is smaller, with low rotation inertia and strong dynamic performance.
- ☑ Self-centering pneumatic chuck with gear transmission mode for higher transmission efficiency, long working life, and high work reliability.

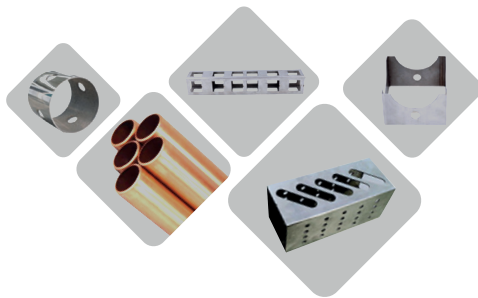
Fractional Automatic Support Installation

- ☑ Intelligent tube support design to solve deformation problems during long tube cutting.
- ☑ Advanced autofocus cutting head that automatically adjusts the focus during the cutting process to achieve the best cutting effect for different thicknesses of metal.
- ☑ System equipped with servo motor, boot to homework without the need for zero operation.
- ☑ Power outages with one key recovery cutting operation.

Safety Protection System

- ☑ Intelligent alarm system that can detect anomalies in advance, reduce hidden dangers, and double the effect of abnormal detection of equipment.
- ☑ Stroke intelligent protection that detects the whole process of cutting head working quickly feedbacks the risk and stops it. Double protection with a fixed limit to improve equipment and personal safety and reduce risk.

The QUADCHUK FL 699 Four-Chuck Professional Laser Pipe Cutting Machine sets a new standard in laser cutting technology, offering outstanding capabilities and durability for various industries.



AUTOCUTTER FL 201

The AUTOCUTTER FL 201 is a new design semi-automatic, loading and unloading CNC laser pipe-cutting machine that offers unparalleled performance and capabilities. With power options ranging from 2kW to 6kW, this laser tube cutter is available for sale and is an essential tool for any industrial workspace.

Features

TECHNICAL SPECIFICATIONS

Power of Generator: 2kW – 6kW

Chuck: Front and rear dual pneumatic chucks

Positioning Accuracy: +0,001 inches

Maximum Speed: 230 ft/min

Chuck Speed: 80r/min

Applicable Pipe Specifications:

Round Tube: 1 in – 9 in

Square Tube: 1 in – 6 in

Rectangular Tube Diagonal: < 9 in

Tube Length: 20 ft

Silo Load-bearing: 3T

Single Maximum Weight: 441 lbs

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

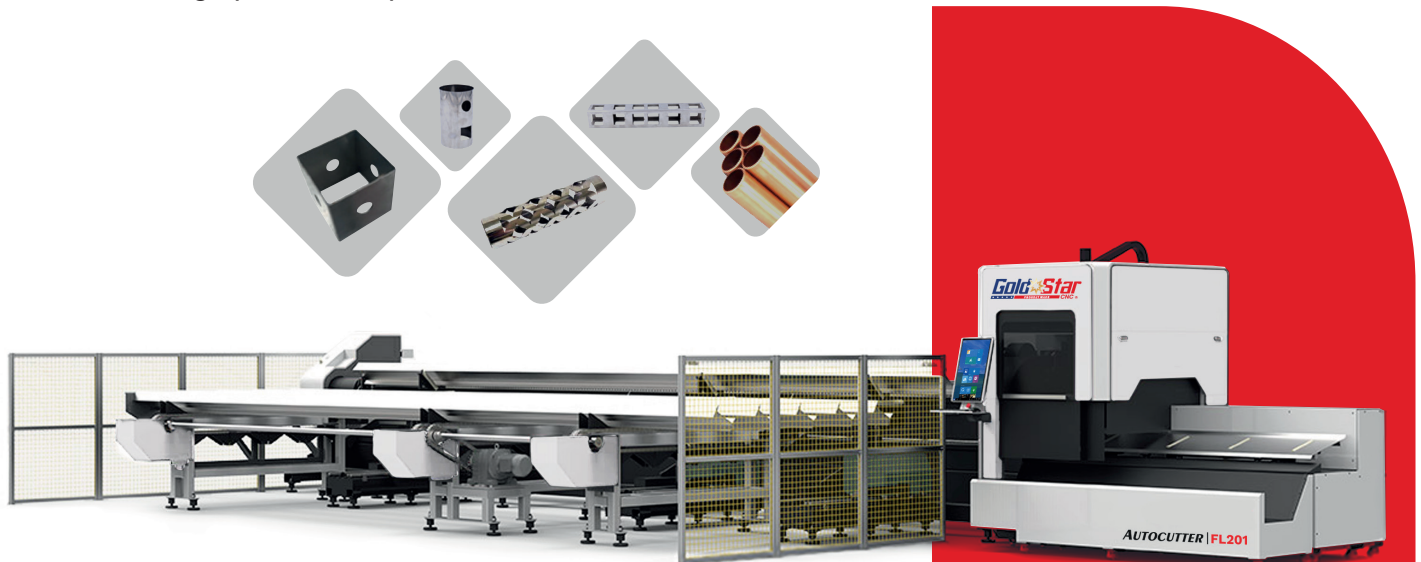
Design and Construction

- ☑ Semi-enclosed design with automatic lifting doors for convenience and worker safety.
- ☑ Advantages: double exhaust system for effective fume extraction and a front and rear chuck for step-by-step, level processing. Equipped with front, rear, left, and right dual follow-up modules to ensure cutting accuracy, as well as automatic tilting and blanking settings to prevent pipe scratches. It has a special chuck with better dynamic performance, capable of reaching speeds of up to 80r/min and an

acceleration of up to 2G.

- ☑ The Segmented Rectangle Laser Tube Welded.
- ☑ Bed: Segmented rectangle laser tube welded bed that offers good rigidity, high precision, and no deformation during its life cycle.
- ☑ Pneumatic Chuck Clamping Design: The diagonal adjustable range is between 1 in and 9 in (with optional ranges of up to 13 in or 14 in).
- ☑ Fractional Automatic Support Installation, intelligent tube support design that can solve deformation problems during long tube cutting.
- ☑ Professional Clamp Design: automatic pneumatic chuck that is adjustable, stable, and has a wider clamping range and larger clamping force.
- ☑ Intelligent Autofocus, Intelligent Alarm System, Stroke Intelligent Protection.
- ☑ System Equipped with Servo Motor: The AUTOCUTTER FL 201 is equipped with a servo motor that allows for boot-to-homework operation without the need for returning to zero.

In summary, the AUTOCUTTER FL 201 is a powerful and versatile CNC laser pipe-cutting machine that offers exceptional performance and capabilities. With its advanced features and durable construction, this machine is an essential tool for any industrial workspace looking to achieve precise and consistent results in its pipe-cutting operations.



AUTOCUT FL 3910

Introducing the AUTOCUT FL 3910, a fully automatic loading and unloading square tube and circle tube metal pipe fiber laser cutting machine with power options ranging from 1 to 8 kW. This cutting-edge machine offers unparalleled performance and capabilities for a wide range of industrial applications.

Features

TECHNICAL SPECIFICATIONS

Effective Tube Cutting Length: 21 ft / 30 ft

Laser Output Power: 1kW – 6kW

Effective Round Tube Cutting Diameter: 1 in - 9 in / 1 in - 13 in

Effective Square Tube Cutting Diameter:
1 in * 1 in - 6 in * 6 in / 1 in * 1 in - 9 in * 9 in

MAX Weight of Chunk: 375 lbs / 882 lbs

Rectangular Tube Edge Length: 1 in - 7 in / 1 in - 11 in

Outer Circle Diameter: 9.1 in / 13 in

X/Y-axis Positioning Accuracy: + 0.001 inches

X/Y-axis Repositioning Accuracy: + 0.0008 inches

X-axis Maximum Speed: 328 ft/ min

Y-axis Maximum Speed: 312 ft/ min

Chunk Speed: 100r / min

Chunk Type: Pneumatic

Weight of Whole Machine: About 17637 lbs

Machine Size: 39 ft * 10 ft * 8 ft

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ☑ Semi-enclosed design, equipped with automatic lifting doors for convenience and worker safety. The heavy-duty welded bed, the front

end of the machine is surrounded by design to improve dust removal.

- ☑ Double exhaust system for effective fume extraction, as well as a front and rear chuck for step-by-step, level processing. The rear chuck is equipped with a waste collection system, while the follow-up support component system ensures that the support frame always follows the pipe during cutting to prevent errors caused by pipe deformation.
- ☑ Pneumatic Chuck Clamping Design: The diagonal adjustable range is between 1 in and 9 in (with optional ranges of up to 13 in or 14 in).
- ☑ Fractional Automatic Support Installation: intelligent tube support design.
- ☑ Automatic pneumatic chuck that is adjustable, stable, and has a wider clamping range and larger clamping force.
- ☑ Intelligent Autofocus.
- ☑ Intelligent Alarm System.
- ☑ Stroke Intelligent Protection.
- ☑ Absolute Value Servo Motor.

In conclusion, the AUTOCUT FL 3910 sets a new standard in metal pipe fiber laser cutting technology, offering outstanding capabilities and durability for various industries.



MINIFIBER FL 44

Introducing the MINIFIBER FL 44, a powerful and precise fiber laser cutting machine with a generator power of 1kW or 2kW. This machine features a grinding precision screw transmission and a working area of 4 ft * 4 ft, offering outstanding performance and capabilities for a wide range of industrial applications.

Features

TECHNICAL SPECIFICATIONS

Power of Generator: 1kW – 2kW

Transmission Mode: Grinding Precision Screw Transmission

Working Area: 4 ft * 4 ft

Repeated Positioning Accuracy: + 0.01 inches

Max Running Speed: 131 ft/min

Max Acceleration: 1G

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ✓ The MINIFIBER FL 44 is designed and constructed with strong stability and high precision, ensuring that it remains free from deformation for up to 20 years. The machine bed is crafted from carbon structural steel with good toughness, ductility, welding performance, and thermal processing. Stress annealing and vibration aging treatment eliminate stress in welding and processing, ensuring long-lasting precision.
- ✓ The machine also features a cast aluminum crossbeam that has undergone artificial aging solution treatment and finishing for improved integrity, rigidity, surface quality, toughness, and ductility. The lightweight and strong rigidity

of the aluminum alloy is beneficial for high-speed movement during processing, while the high flexibility allows for high-speed cutting of various graphics based on high accuracy.

- ✓ Safety and No Pollution: The MINIFIBER FL 44 features a fully enclosed design with an observation window that uses European CE Standard laser protective glass. The smoke produced by cutting is filtered inside the machine, ensuring that it is non-polluting and environmentally friendly.
- ✓ Dual Rail and Dual Driver Design: To prevent cutting line deformation caused by Y-axis screw bending, the Y-axis on both sides is equipped with two rail guides and a double ball drive screw design. This ensures straightness and arc degree during high-speed cutting.
- ✓ Intelligent Autofocus: The MINIFIBER FL 44 also features an advanced autofocus system that automatically adjusts the focus during cutting to achieve the best results for different metal thicknesses.

The MINIFIBER FL 44 is a game-changer in the world of fiber laser cutting technology. With its outstanding capabilities and durability, it is the perfect tool for various industries. Whether you're cutting metal, plastic, or any other material, the MINIFIBER FL 44 delivers precise and efficient results every time. Its advanced features and cutting-edge technology set a new standard in the industry, making it a must-have for any business looking to stay ahead of the competition.



AUTOMATE FL 105

The AUTOMATE FL 105 is an automation device fiber laser cutter designed for industrial applications. With a customizable working area of approximately 5 feet x 10 feet, this machine offers outstanding cutting capabilities for diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Power of Generator: 3kW-12kW

Working Area: 5 feet x 10 feet
(Other sizes can be customized)

Repeated Positioning Accuracy: 0.0008 in.

Max Running Speed: 394 feet/min

Max Acceleration: 2G

Specified Voltage and Frequency:
Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz.

Machine Weight: 22046 pounds (About)

Intelligent Loading and Unloading

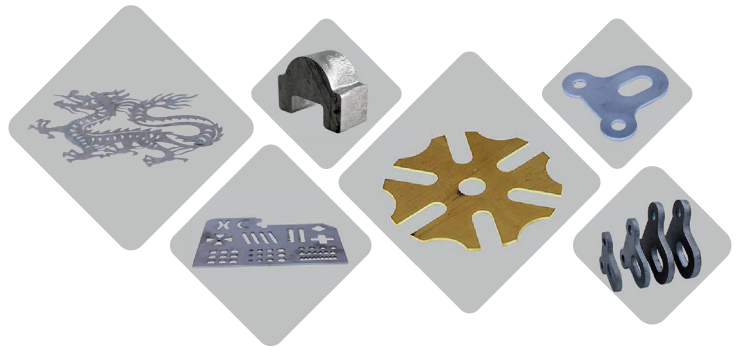
- ☑ The running support adopts a truss structure and has a manual sorting platform for finished products.

- ☑ The unique design of the suction cup feeding system and the comb fork feeding system improves the operating efficiency of the equipment.
- ☑ Equipped with a plate separation and thickness detection device, which improves the safety of the equipment.

Safety Protection Grating

- ☑ Set a safe distance, once personnel entered by mistake, the machine will stop working immediately.

The AUTOMATE FL 105 is an Automation Device Fiber Laser Cutter that sets a new standard in laser cutting technology, offering outstanding capabilities and durability for various industries. It is available for a competitive price and is suitable for cutting carbon-thickness chart aluminum plates.



BASIC CRAFT FL 105

The BASIC CRAFT FL 105, is a Heavy Duty Tube Welding Bed, is an innovative and advanced machine designed for convenient feeding of metal materials and stable operation. With a heavy weight and low center of gravity, this machine offers unparalleled capabilities for diverse industrial requirements.

Features

TECHNICAL SPECIFICATIONS

Working area: Length: 5 ft, Width: 10 ft

Great Generator power range from 1 kW to 30 kW

Repeated Positioning Accuracy +0.0008 inches

Repeated Positioning Accuracy: + 0.01 inches

Max Running Speed 394 feet per minute

Specified Voltage and Frequency:

Voltage 240V Single Phase 60Hz and 240 Three Phase 60 Hz

Design and Construction

- ✓ Heavy-duty tube welding bed with fire resistant bricks to prevent deformation by heat.
- ✓ Integrated aviation aluminum beam reduces weight and maximizes rigidity.
- ✓ Grouped platform frame design improves overall load-bearing capacity.
- ✓ Large dust removal duct ensures effective dust removal.

Full Coverage, Super Suction

- ✓ Equipped with felt wheel automatic lubrication to improve gear service life and prevent fire hazards Stainless steel armor protection on the Y-axis cover to prevent burn and improve service life.

Auto Focus Cutting Head

- ✓ Advanced autofocus cutting head with motorized focus position adjustment for automatic machine setup and piercing work.
- ✓ Lightweight and slim design allows for rapid acceleration and cutting speed.
- ✓ Innovative features include automated piercing, permanent protective window monitoring, drift-free and fast-reacting distance measurement, water cooling of sheet metal, and a complete dustproof beam path with protective windows.
- ✓ All sensor data can be accessed via WLAN through the APP and machine control.
- ✓ Pressure monitoring in the nozzle area (gas cutting) and the head.

Transmission and Precision

- ✓ High-quality rack, cutting-edge motor, and Rails.

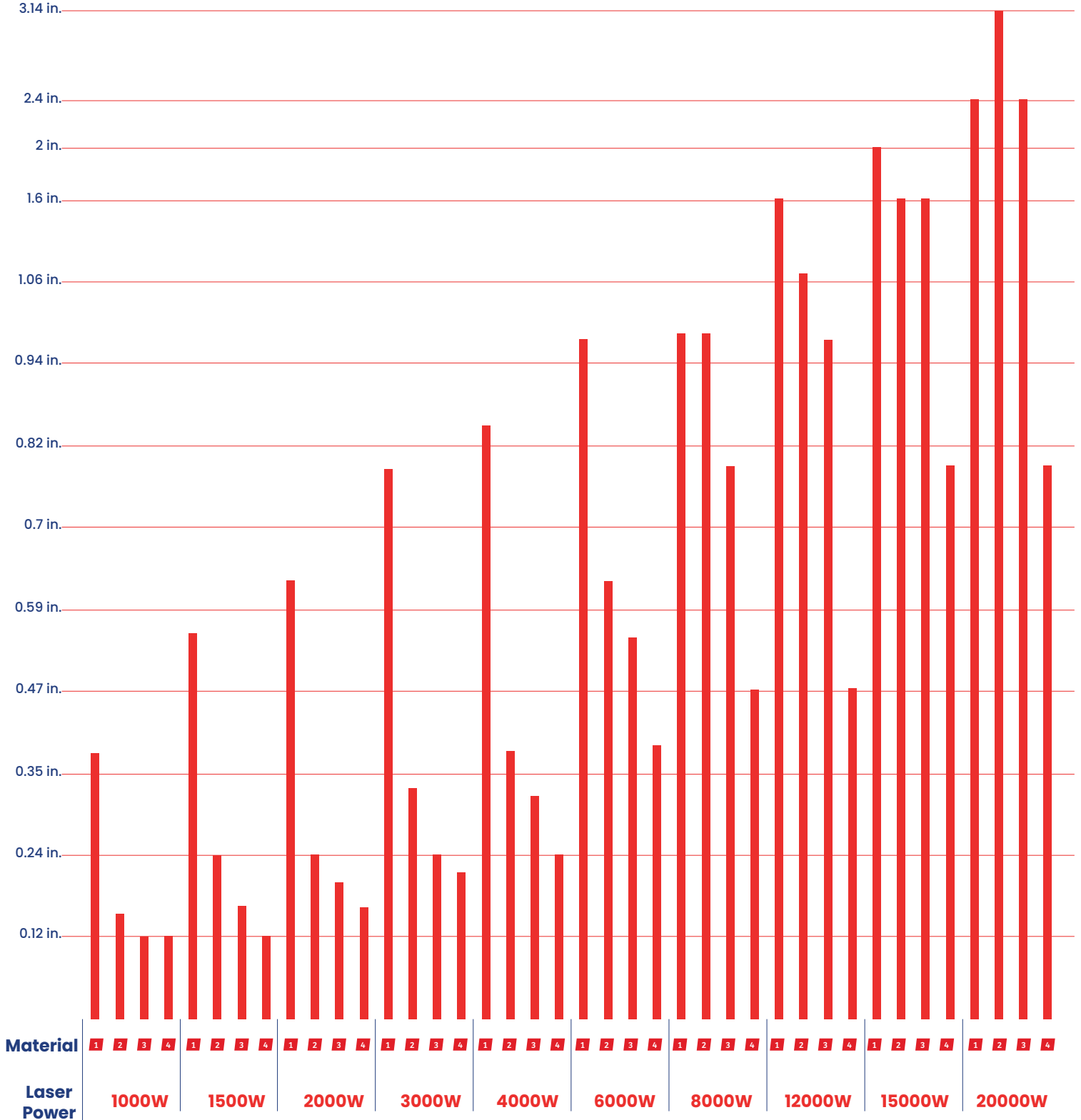
The BASIC CRAFT FL 105 is an advanced machine that offers outstanding capabilities for various industries. It is equipped with advanced features such as a heavy-duty tube welding bed with fire-resistant bricks; an integrated aviation aluminum beam; felt wheel automatic lubrication; stainless steel armor protection; an advanced autofocus cutting head; a high-quality rack; and precise positioning accuracy.



MATERIAL CUTTING

- Cutting thickness
- 1 Carbon steel
 - 2 Stainless steel
 - 3 Aluminum
 - 4 Non-ferrous metals

Max. cutting thickness (do not suggest to cut for a long time)



COST ANALYSIS

LASER POWER	Asisted gas Consumption	Option 1: Using air compressor cutting stainless steel	Option 2: Using O2 cutting stainless steel	Option 3: Using N2 cutting stainless steel	
1000W	POWER CONSUMPTION	Laser power	4KW	4KW	4KW
		Water Chiller Group	2.8KW	2.8KW	2.8KW
		Host Machine	5.4KW	5.4KW	5.4KW
		Dust Exhausting Equipment	3KW	3KW	3KW
	Consumable Part	2RMB/h	2RMB/h	2RMB/h	
	Gas Consumption	15×85%=12.75KW	(About) 6RMB	(About) 200RMB	
	Total Power	15.2KW	15.2KW	15.2KW	
	Average Power Consumption (Take80% Cutting Efficiency)	15.2x80 % =12.16KW	15.2x80 % =12.16KW	15.2x80 % =12.16KW	
	All Cost(1RMB/kwh)	12.16+12.75+2=26.91RMB/h	12.16+6+2=20.16RMB/h	12.16+200+2=214.16RMB/h	
	2000W	POWER CONSUMPTION	Laser power	8KW	8KW
Water Chiller Group			3.1KW	3.1KW	3.1KW
Host Machine			6KW	6KW	6KW
Dust Exhausting Equipment			3KW	3KW	3KW
Consumable Part		2.5RMB/h	2.5RMB/h	2.5RMB/h	
Gas Consumption		20×85%=17KW	(About) 6.7RMB/h	(About) 200RMB/h	
Total Power		20,1KW	20,1KW	20,1KW	
Average Power Consumption (Take80% Cutting Efficiency)		20.1x80%=16.08KW	20.1x80%=16.08KW	20.1x80%=16.08KW	
All Cost(1RMB/kwh)		16.08+17+2.5=35.58RMB/h	16.08+6.7+2.5=25.28RMB/h	16.08+200+2.5=218.58RMB/h	
3000W		POWER CONSUMPTION	Laser power	12KW	12KW
	Water Chiller Group		5KW	5KW	5KW
	Host Machine		6KW	6KW	6KW
	Dust Exhausting Equipment		3KW	3KW	3KW
	Consumable Part	3RMB/h	3RMB/h	3RMB/h	
	Gas Consumption	20×85%=17KW	(About) 8RMB/h	(About) 200RMB/h	
	Total Power	26KW	26KW	26KW	
	Average Power Consumption (Take80% Cutting Efficiency)	26x80%=20.8KW	26x80%=20.8KW	26x80%=20.8KW	
	All Cost(1RMB/kwh)	20.8+17+3=40.8RMB/h	20.8+8+3=31.8RMB/h	20.8+200+3=223.8RMB/h	
	4000W	POWER CONSUMPTION	Laser power	12KW	12KW
Water Chiller Group			6.5KW	6.5KW	6.5KW
Host Machine			6KW	6KW	6KW
Dust Exhausting Equipment			3KW	3KW	3KW
Consumable Part		3.5RMB/h	3.5RMB/h	3.5RMB/h	
Gas Consumption		20×85%=17KW	(About) 10RMB/h	(About) 200RMB/h	
Total Power		27.5W	27.5W	27.5W	
Average Power Consumption (Take80% Cutting Efficiency)		27.5x80%=22KW	27.5x80%=22KW	27.5x80%=22KW	
All Cost(1RMB/kwh)		22+17+3.5=42.5RMB/h	22+10+3.5=35.5RMB/h	22+200+3.5=225.5RMB/h	
6000W		POWER CONSUMPTION	Laser power	18KW	18KW
	Water Chiller Group		8KW	8KW	8KW
	Host Machine		8KW	8KW	8KW
	Dust Exhausting Equipment		3KW	3KW	3KW
	Consumable Part	4RMB/h	4RMB/h	4RMB/h	
	Gas Consumption	20×85%=17KW	(About) 10RMB/h	(About) 250RMB/h	
	Total Power	37KW	37KW	37KW	
	Average Power Consumption (Take80% Cutting Efficiency)	37x80%=29.6KW	37x80%=29.6KW	37x80%=29.6KW	
	All Cost(1RMB/kwh)	29.6+17+4=50.6 RMB/h	29.6+10+4=43.6RMB/h	29.6+250+4=283.6RMB/h	

COST ANALYSIS

LASER POWER	Asisted gas Consumption	Option 1: Using air compressor cutting stainless steel	Option 2: Using O2 cutting stainless steel	Option 3: Using N2 cutting stainless steel	
8 000W	POWER CONSUMPTION	Laser power	24KW	24KW	24KW
		Water Chiller Group	9KW	9KW	9KW
		Host Machine	8KW	8KW	8KW
		Dust Exhausting Equipment	3KW	3KW	3KW
	Consumable Part	4.5RMB/h	4.5RMB/h	4.5RMB/h	
	Gas Consumption	20x85%=17KW	(About) 10RMB	(About) 250RMB	
	Total Power	44KW	44KW	44KW	
	Average Power Consumption (Take80% Cutting Efficiency)	44x80%=35.2KW	44x80%=35.2KW	44x80%=35.2KW	
	All Cost(1RMB/kwh)	35.2+17+4.5=56.7RMB/h	35.2+10+4.5=49.7RMB/h	35.2+250+4.5=289.7RMB/h	
	10 000W	POWER CONSUMPTION	Laser power	30KW	30KW
Water Chiller Group			10KW	10KW	10KW
Host Machine			10KW	10KW	10KW
Dust Exhausting Equipment			3KW	3KW	3KW
Consumable Part		5RMB/h	5RMB/h	5RMB/h	
Gas Consumption		20x85%=17KW	(About) 10RMB/h	(About) 300RMB/h	
Total Power		53KW	53KW	53KW	
Average Power Consumption (Take80% Cutting Efficiency)		53x80%=42.4KW	53x80%=42.4KW	53x80%=42.4KW	
All Cost(1RMB/kwh)		42.4+17+5=64.4RMB/h	42.4+10+5=57.4RMB/h	42.4+300+5=347.4RMB/h	
12 000W		POWER CONSUMPTION	Laser power	36KW	36KW
	Water Chiller Group		12KW	12KW	12KW
	Host Machine		10KW	10KW	10KW
	Dust Exhausting Equipment		3KW	3KW	3KW
	Consumable Part	5.5RMB/h	5.5RMB/h	5.5RMB/h	
	Gas Consumption	20x85%=17KW	(About) 10RMB/h	(About) 300RMB/h	
	Total Power	61KW	61KW	61KW	
	Average Power Consumption (Take80% Cutting Efficiency)	61x80%=48.8KW	61x80%=48.8KW	61x80%=48.8KW	
	All Cost(1RMB/kwh)	48.8+17+5.5=71.3RMB/h	48.8+10+5.5=64.3RMB/h	48.8+300+5.5=354.3RMB/h	
	15 000W	POWER CONSUMPTION	Laser power	45KW	45KW
Water Chiller Group			15KW	15KW	15KW
Host Machine			10KW	10KW	10KW
Dust Exhausting Equipment			3KW	3KW	3KW
Consumable Part		6RMB/h	6RMB/h	6RMB/h	
Gas Consumption		20x85%=17KW	(About) 10RMB/h	(About) 300RMB/h	
Total Power		73W	73W	73W	
Average Power Consumption (Take80% Cutting Efficiency)		73x80%=58.4KW	73x80%=58.4KW	73x80%=58.4KW	
All Cost(1RMB/kwh)		58.4+17+6=81.4RMB/h	58.4+10+6=74.4RMB/h	58.4+300+6=364.4RMB/h	
20 000W		POWER CONSUMPTION	Laser power	60KW	60KW
	Water Chiller Group		20KW	20KW	20KW
	Host Machine		15KW	15KW	5KW
	Dust Exhausting Equipment		3KW	3KW	3KW
	Consumable Part	6.5RMB/h	6.5RMB/h	6.5RMB/h	
	Gas Consumption	20x85%=17KW	(About) 10RMB/h	(About) 300RMB/h	
	Total Power	98KW	98KW	98KW	
	Average Power Consumption (Take80% Cutting Efficiency)	98x80%=78.4KW	98x80%=78.4KW	98x80%=78.4KW	
	All Cost(1RMB/kwh)	78.4+17+6.4=101.8 RMB/h	78.4+10+6.5=94.9RMB/h	78.4+300+6.5=384.9RMB/h	

CUTTING SAMPLES



Copper



Copper



Copper



Copper



Kinds metal



Carbon steel



Carbon steel



Carbon steel



Stainless steel



Stainless steel



Stainless steel



Galvanized



Galvanized



Aluminum



Aluminum



Round tube



Round tube



Round tube



Round tube



Round tube



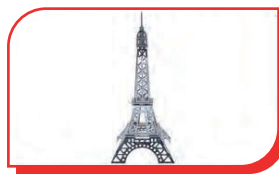
Round tube



Metal art



Metal art



Metal art



Kinds metal



Square tube



Square tube



Square tube

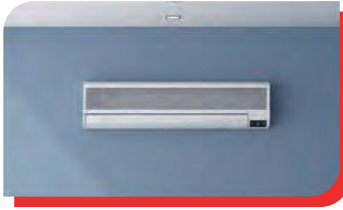


Square tube



Square tube

APPLICATIONS INDUSTRY



Air conditioner



Metal lamps



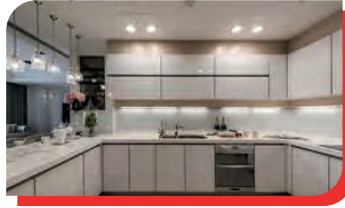
Shower



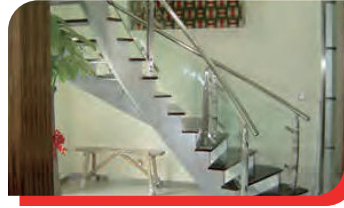
Refrigerator



Elevator



Kitchen ware



Stair



Metal furniture



Airplane accessories



Ship accessories



Agricultural machinery



Auto spare parts



Decorative lighting



Electric industry



Engineering machinery



Round tube



Display shelf



Medical equipment



Metallurgical equipment



Motorbike



Stainless steel



Hardware fitting



Rail transit



Fitness equipment



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