

FOXTALE LASER SERVICES PRIVATE LIMITED

Precision • Power • Performance

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ABOUT US

Foxtale Laser Services Private Limited is a trusted provider of advanced industrial laser technology, delivering high-performance ...tion solutions to industries across India.

Our mi... to empower manufacturers w... class laser systems that combine exceptional precision, superior speed, and long-lasting reliability. Every machine is desig... advanced engineering standards and premium-quality components to ensure maximum productivity while minimizing operating costs.

With a strong commitment to innovation and custom... satisfaction, we provide customized laser solutions for businesses of every size—from small workshops to large-scale manufac...ring facilities. Whether you require high-speed sheet metal cutting, permanent product ...g, or precision welding, our machines are engineered to deliver consistent results with unmatched efficiency.

At Foxtale Laser Services, we don't just supply mach...es—we build long-term partnerships through expert consultation, professional installation, operator training, preventive maintenance, and prompt after-sales support across PAN India.

Our goal is simple :
To help businesses achieve higher productivity, ... quality, and sustainable growth through cutting-edge laser technology.

WHY CHOOSE US

01

High Precision Engineering

Our laser systems deliver exceptionally accurate cuts, sharp edges, intricate designs, and micron-level precision, ensuring superior product quality with minimal material wastage.

02

Advanced Laser Technology

Equipped with next-generation laser sources, intelligent CNC controllers, autofocus cutting heads and smart control software, our machines ensure faster production, greater efficiency and superior performance.

03

Reliable Construction

Manufactured using heavy-duty industrial-grade components, our machines are built for continuous 24×7 operation with maximum stability, durability, and long service life.

04

Customized Industrial Solutions

We offer customized machine configurations, working table sizes, laser power options, automation features, and industry-specific solutions to match production needs.

05

Maximum Productivity

Experience faster cutting speeds, lower operating costs, reduced downtime, and higher output with energy-efficient laser systems designed for modern manufacturing.

06

Comprehensive After-Sales Support

Installation, operator training, preventive maintenance, remote troubleshooting, spare parts availability, and quick on-site support across PAN India.

07 **Cost-Effective Investment**

Our machines provide long-term value through low maintenance, energy efficiency, and outstanding return on investment.

08 **Customer-Centric Approac**

From consultation to installation and ongoing support, we work closely with customers to ensure seamless operations and complete satisfaction.

OUR COMMITMENT

QUALITY ▪ PRECISION ▪ INNOVATION ▪ RELIABILITY ▪ CUSTOMER SUCCESS

At Foxtale Laser Services Private Limited, every machine reflects our commitment to engineering excellence and technological innovation. We continuously strive to deliver solutions that help businesses improve productivity, reduce manufacturing costs, and stay competitive in today's rapidly evolving industrial landscape.

"Precision in Every Beam. Excellence in Every Machine."

FOXTALE LASER SERVICES PRIVATE LIMITED

FOXTALE

— LASER SERVICES PRIVATE LIMITED —

PRECISION IN EVERY BEAM, EXCELLENCE IN EVERY SOLUTION

OUR MACHINES

ADVANCED TECHNOLOGY. HIGHER PRODUCTIVITY. RELIABLE PERFORMANCE.

FIBER LASER CUTTING MACHINE

POWER : 1500W – 12000W



LASER CLEANING MACHINE

POWER : 1000W – 3000W



BENDING MACHINE (PRESS BRAKE)

CAPACITY : 40 TON – 1000 TON



LASER WELDING MACHINE

POWER : 1000W – 3000W



ADVANCED TECHNOLOGY | HIGH PRECISION | ENERGY EFFICIENT | EASY TO OPERATE | LOW MAINTENANCE | RELIABLE PERFORMANCE

DIFFERENT MODELS

- **FIBER LASER CUTTING MACHINE**
  1500W | 2000W | 3000W | 6000W | 12000W
- **LASER CLEANING MACHINE**
  1000W | 1500W | 2000W | 3000W
- **BENDING MACHINE**
  40 TON | 63 TON | 100 TON | 160 TON
  200 TON | 250 TON | 500 TON | 1000 TON
- **LASER WELDING MACHINE**
  1000W | 1500W | 2000W | 3000W
- **CNC ROUTER MACHINE**
  1325 | 1530 | 2030 | 2040
- **MARKING MACHINE**
  20W | 30W | 50W | 60W | 100W

CNC ROUTER MACHINE



MARKING MACHINE (FIBER / CO_2 / UV)



PLASMA CUTTING MACHINE



V GROOVING MACHINE



SHEARING MACHINE



ROLLING MACHINE



ONE STOP SOLUTION
FOR ALL YOUR METAL FABRICATION NEEDS

SALES | SERVICE | SPARE PARTS | AMC
PAN INDIA SUPPORT

BUILT FOR PERFORMANCE
DESIGNED FOR PRECISION

Fiber Laser Metal Cutting Machine

High-Speed Fiber Laser Cutting Solution

01

Product Overview

Foxtale Fiber Laser Metal Cutting Machine is engineered for industries requiring exceptional cutting accuracy, superior edge quality, and maximum production efficiency. Equipped with advanced fiber laser technology, intelligent CNC control, and a heavy-duty welded structure, the machine delivers outstanding performance while minimizing operating costs.Designed for continuous industrial production, it easily cuts thin as well as thick metal sheets with remarkable precision and speed.



Features

- High-Speed Precision Cutting
- Heavy-Duty Welded Machine Frame
- Auto Focus Laser Cutting Head
- Intelligent CNC Controller
- Fiber Laser Source (Raycus / MAX / IPG Optional)
- Automatic Lubrication System
- High Accuracy Servo Motors
- Rack & Pinion Transmission
- Industrial Water Chiller
- Smart Nesting Software
- Remote Monitoring Support
- Low Power Consumption
- Minimal Maintenance

FIBER LASER METAL CUTTING MACHINE

TECHNICAL SPECIFICATIONS

SPECIFICATION	DETAILS
Laser Power	1500W / 2000W / 3000W / 6000W / 12000W
Working Area	1500×3000 mm, 1500×6000 mm, Custom
Position Accuracy	±0.03 mm
Repeat Accuracy	±0.02 mm
Maximum Speed	120 m/min
Acceleration	1.5G
Control System	FSCUT / CypCut
Transmission	Rack & Pinion
Cooling	Industrial Water Chiller
Voltage	380V Three Phase
Software	CypCut
Supported Files	DXF, AI, DWG, PLT

Why Choose FOXTALE Laser Cutting Systems?

Micron Precision

Delivers ultra-tight tolerances (±0.03mm) with clean, burr-free edges that eliminate the need for secondary finishing processes.

Ultra-High Cutting Speed

Fiber laser beam technology offers up to 3x faster cutting speeds on thin to medium sheet metals compared to traditional CO2 lasers.

Low Energy Consumption

Consumes up to 70% less electrical power with high wall-plug efficiency, drastically reducing operational costs.

Complex Geometries

Effortlessly cuts intricate contour designs, micro-perforations, and complex patterns without thermal distortion.

Minimal Maintenance

Solid-state fiber laser source requires no laser gas, mirror alignment, or frequent consumable replacements.

Smart CNC Integration

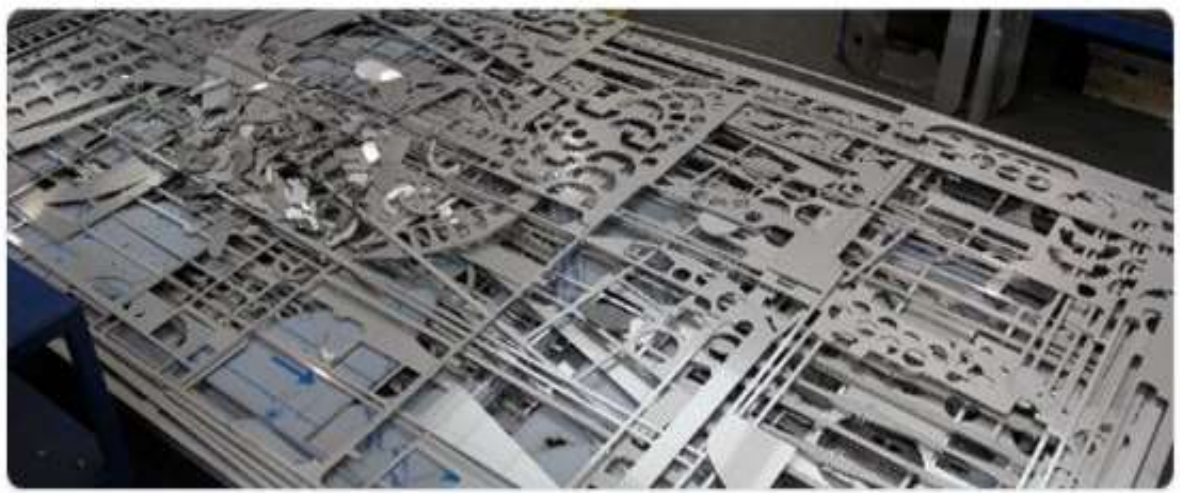
Automatic nozzle cleaning, auto-focusing laser head, and intelligent sheet nesting software maximize material yield.

Flawless Part Fabrication Across All Metals

The FOXTALE Fiber Laser Cutting Machine guarantees superior edge quality across various sheet metal types, including Stainless Steel, Carbon Steel, Aluminum, Brass, and Copper.

- **Zero Burr & Dross-Free Edges**
  High assist gas pressure produces mirror-smooth edges directly off the machine bed.
- **Minimal Heat Affected Zone (HAZ)**
  Prevents sheet warping, material discoloration, and structural stress.
- **High Repeatability (±0.02 mm)**
  Ideal for batch manufacturing and seamless downstream bending or welding processes.





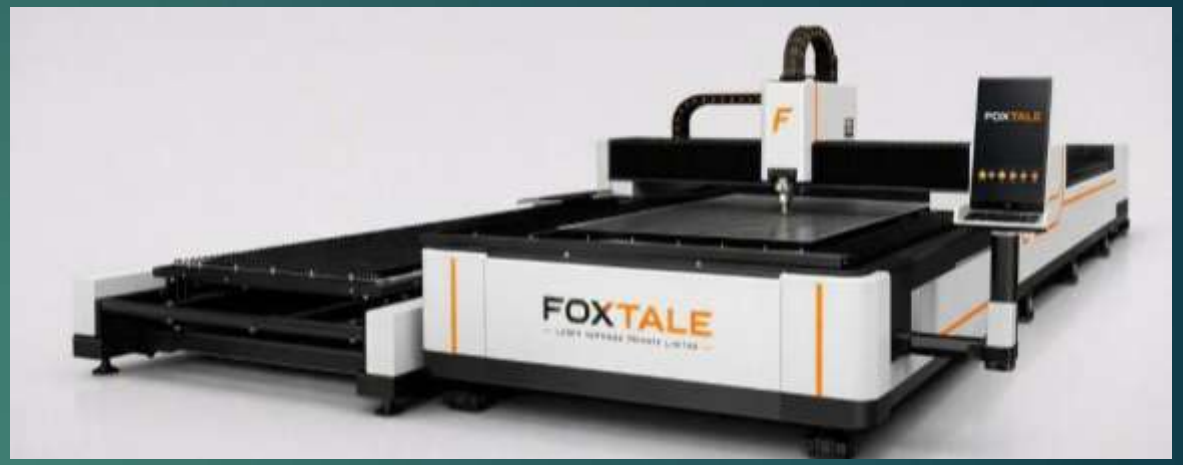
FIBER LASER METAL CUTTING MACHINE

MACHINE CONFIGURATIONS

Enclosed, exchange-table and compact production options



ENCLOSED SAFETY MODEL



DUAL EXCHANGE TABLE



COMPACT OPEN-BED MODEL

FIBER LASER METAL CUTTING MACHINE

OPEN-BED MACHINE VIEWS

Multiple perspectives of the precision cutting platform



FRONT THREE-QUARTER



SIDE PROFILE

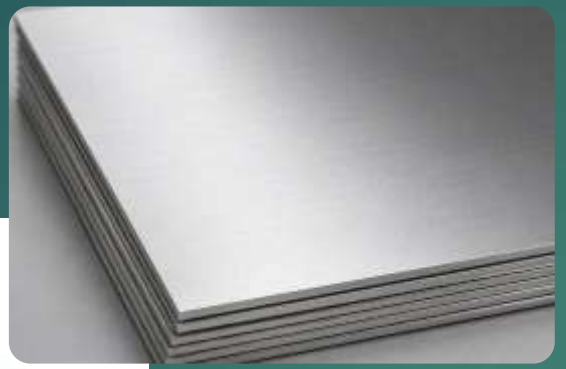


ELEVATED BED VIEW

SUITABLE MATERIALS



ild Steel



Stainless Steel



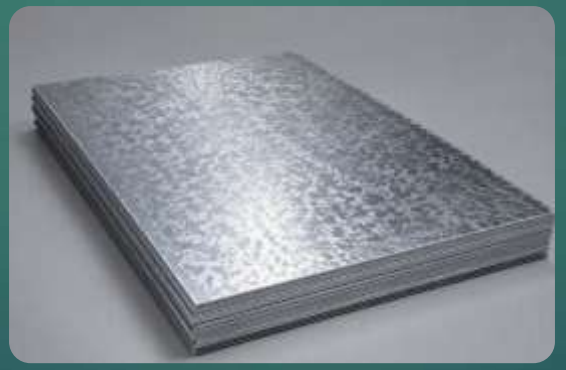
Aluminium



Brass



Copper



Galvanized Sheet



Carbon Steel

Fiber Laser Marking Machine

Permanent Laser Marking Solution

Product Overview

Foxtale Fiber Laser Marking Machine is designed for permanent, high-speed, non-contact marking on metals and selected engineering plastics. It produces sharp, durable, and maintenance-free markings such as QR codes, serial numbers, logos, barcodes, and branding.

Features

- High-Speed Galvo Scanner
- Maintenance-Free Fiber Source
- Red Dot Positioning
- Rotary Attachment Optional
- Compact Design
- Air Cooling
- Long Service Life
- Low Maintenance
- Easy Software



FIBER LASER MARKING MACHINE

TECHNICAL SPECIFICATIONS

SPECIFICATION	DETAILS
Laser Power	20W / 30W / 50W / 100W
Marking Area	110×110 / 150×150 / 200×200 / 300×300 mm
Laser Life	100,000 Hours
Minimum Line Width	0.01 mm
Marking Speed	7000 mm/s
Cooling	Air Cooling
Power Supply	220V

FOXTALE FIBER LASER MARKING MACHINE

MACHINE GALLERY & APPLICATIONS



Machine Overview



Marking In Progress



Loading & Orientation



Finished Parts

FOXTALE FIBER LASER MARKING MACHINE

MACHINE MODELS



Desktop Mod 20W / 30W



Enclosed Cabinet Model



Hand ble Model



Rotary Attachm Model

APPLICATIONS

LASER MARKING MACHINE



01

JEWELLERY



02

MEDICAL INSTRUMENTS



03

AUTOMOBILE PARTS



04

NAME PLATES



05

ELECTRICAL COMPONENTS



06

TOOLS



07

GIFT ITEMS



08

INDUSTRIAL PARTS

Laser Welding Machine

Handheld Fiber Laser Welding Machine

Product Overview

The Foxtale Laser Welding Machine is an advanced industrial welding solution designed to deliver high-strength, precise, and visually clean welds with significantly reduced heat distortion. Powered by modern fiber laser technology, the machine provides concentrated energy directly to the welding area, enabling fast and controlled joining of metal components.Designed for both fabrication workshops and demanding industrial production environments, the machine combines high welding speed, excellent penetration, low heat input, and easy operation. Its handheld welding configuration allows operators to work comfortably on different shapes, sizes, and complex components while maintaining consistent weld quality.Compared with conventional welding methods, laser welding offers a smaller heat-affected zone, lower material deformation, reduced post-welding finishing, and excellent surface appearance. This makes it particularly suitable for applications where both structural strength and aesthetic finishing are important.The Foxtale Laser Welding Machine can be configured with 1500W, 2000W, and 3000W laser power options, allowing customers to select the appropriate system according to material type, thickness, production volume, and welding requirements.



Features

- Easy Handheld Operation
- Beautiful Welding Finish
- No Grinding Required
- High-Speed Welding
- Low Heat Affected Zone
- Continuous Laser Output
- Wire Feeder Optional
- Portable Design

LASER WELDING MACHINE

FHW-1000



- Laser Power: 1000W
- Compact Design
- Easy to Move
- Suitable for Thin Sheet Welding

FHW-1500



- Laser Power: 1500W
- High Welding Efficiency
- Stable Performance
- Suitable for Multiple Metals

FHW-2000



- Laser Power: 2000W
- Deep Penetration
- High Precision Welding
- Continuous & Stable Output

FHW-3000



- Laser Power: 3000W
- High Speed Welding
- For Thick Metal Welding
- Industrial Grade Performance

FHW-1500W (Air Cooled)



- Laser Power: 1500W
- Air Cooling System

FHW-2000W (Water Cooled)



- Laser Power: 2000W
- Water Cooling System

FHW-4IN1



- 4 Functions in 1 Machine
- Welding / Cutting / Cleaning / Rust Removal

FHW-ROBOTIC



- Robotic Laser Welding System
- High Precision & Automation











SPECIFICATIONS

FOXTALE LASER WELDING MACHINE

Laser Power	1500W | 2000W | 3000W
Cooling	Industrial Water Cooling
Welding Thickness	0.5 – 8 mm
Voltage	220V / 380V
Laser Source	Raycus / MAX

FIBER WELDING MACHINE

KEY FEATURES

- **High Welding Speed**: Significantly faster processing compared with many conventional welding methods.
- **Excellent Weld Quality**: Produces smooth, strong, and uniform welds with excellent visual appearance.
- **Low Heat Distortion**: Concentrated laser energy minimizes the heat-affected area and reduces deformation.
- **Deep & Stable Penetration**: Suitable for a wide range of metal thicknesses and industrial applications.
- **Minimal Post-Processing**: Reduces grinding, polishing, and other finishing requirements.
- **Easy to Operate**: Handheld welding gun provides flexibility and convenient operation.
- **Wide Material Compatibility**: Suitable for stainless steel, mild steel, aluminium, galvanized steel, brass, copper and other compatible metals.
- **Industrial Reliability**: Robust construction and industrial water-cooling system support continuous production.
- **Cost Efficient**: Lower consumable requirements and reduced finishing work can help improve overall production efficiency.

TYPICAL APPLICATIONS

The machine is suitable for sheet-metal fabrication, stainless-steel products, kitchen equipment, automobile components, metal furniture, electrical cabinets & elevators, doors & windows, industrial equipment, engineering components and general fabrication work.

Faster Welding. Stronger Joints. Better Finish.

Laser Cleaning Machine

Eco-Friendly Rust Removal Solution

Product Overview

The Foxtale Laser Cleaning Machine is an advanced, non-contact surface cleaning solution designed for the efficient removal of rust, paint, oxide layers, oil, grease, dirt, carbon deposits, coatings, and other surface contaminants from a wide range of metal components.Powered by high-performance fiber laser technology, the machine uses a precisely controlled laser beam to selectively remove unwanted material from the surface while minimizing impact on the underlying substrate. This makes laser cleaning an excellent alternative to conventional methods such as chemical cleaning, abrasive blasting, grinding, and mechanical polishing in applications where precision, surface quality, and environmental considerations are important.The machine is designed for both industrial production and maintenance applications, offering a flexible handheld operation that allows operators to clean components of different shapes, sizes, and geometries. Adjustable laser parameters enable users to select the appropriate cleaning intensity according to the material, contamination type, and required surface finish.Advanced Cleaning TechnologyDuring operation, the high-energy laser beam interacts with the unwanted coating or contamination on the surface. The absorbed laser energy causes the contaminant layer to detach or vaporize, while the cleaning parameters can be controlled to minimize damage to the base material.This controlled process enables effective cleaning of metal surfaces, machinery components, moulds, tools, fabricated parts, automotive components, and industrial equipment.

Features

- No Chemicals
- No Consumables
- Portable Design
- Environment Friendly
- Fast Cleaning
- Non-Contact Process
- No Surface Damage
- Easy Operation



LASER CLEANING MACHINE

TECHNICAL SPECIFICATIONS

SPECIFICATION	DETAILS
Laser Type	Pulsed / Continuous Wave Fiber Laser
Laser Power	100W / 200W / 300W / 500W / 1000W / 1500W / 2000W
Laser Wavelength	1064 nm
Cleaning Width	Up to 10–300 mm*
Scanning System	High-Speed Galvanometer Scanner
Scanning Speed	Up to 12,000 mm/s*
Cleaning Efficiency	Application & contamination dependent
Cooling System	Air Cooling / Industrial Water Cooling
Laser Source	Raycus / MAX / JPT / IPG*
Operating Mode	Handheld / Automatic
Focusing System	F-Theta Scanning Lens
Control System	Digital Laser Control System
Interface	User-Friendly Touch / Control Panel*
Power Supply	220V / 380V, 1/3 Phase*
Working Temperature	5°C – 40°C*
Applicable Materials	Steel, Stainless Steel, Aluminium, Copper, Brass & More
Cleaning Applications	Rust, Paint, Oil, Grease, Oxide, Carbon & Coating Removal
Safety System	Emergency Stop & Safety Interlock*
Machine Type	Portable / Handheld Industrial Laser Cleaner

*Specifications may vary according to laser power, source, scanner, lens, and machine configuration.



HIGH PRECISION | FAST CLEANING | NON-CONTACT PROCESS | LOW CONSUMABLE COST | ENVIRONMENT FRIENDLY | EASY OPERATION

LASER CLEANING MACHINE

APPLICATIONS

















HIGH PRECISION | FAST CLEANING | NON-CONTACT PROCESS | LOW CONSUMABLE COST | ENVIRONMENT FRIENDLY | EASY OPERATION

Bending Machine

Product Overview

The Foxtale CNC Hydraulic Press Brake / Bending Machine is an advanced sheet-metal forming solution designed for high-precision, consistent, and efficient bending of metal sheets and plates. It is engineered for industrial fabrication where accurate bending angles, repeatability, productivity, and reliable performance are essential.The machine uses a combination of high-performance hydraulic systems, CNC control technology, precision tooling, and rigid machine construction to deliver consistent bending results across different materials and thicknesses.It is suitable for mild steel, stainless steel, aluminium, galvanized steel and other compatible sheet-metal materials, making it an ideal solution for fabrication workshops, engineering industries, electrical panels, automotive components, kitchen equipment, doors & windows, enclosures and general sheet-metal manufacturing.

Features

- **High-Precision CNC Control** – Accurate programming and repeatable bending operations.
- **Heavy-Duty Machine Structure** – Rigid construction designed for demanding industrial applications.
- **High Bending Accuracy** – Consistent bending angles and dimensions across multiple components.
- **Hydraulic Drive System** – Smooth and powerful bending operation.
- **Advanced Back Gauge System** – Precise positioning of the workpiece for accurate bends.
- **Multi-Axis Control** – Configurable CNC axis control according to machine model.
- **Quick Tool Setup** – Efficient tooling arrangement helps reduce setup time.
- **High Productivity** – Suitable for both small-batch fabrication and continuous production.
- **User-Friendly Operation** – CNC interface simplifies programming and machine operation.
- **Customized Configuration** – Different bending lengths, tonnages and axis configurations can be supplied according to application requirements



FOXTALE
LASER SERVICES PRIVATE LIMITED
PRECISION IN EVERY BEAM, EXCELLENCE IN EVERY SOLUTION

BENDING MACHINE

HIGH PRECISION
HIGH PERFORMANCE
HIGH PRODUCTIVITY

SPECIFICATIONS

PARAMETER	UNIT	MODEL / CAPACITY			
		FTB-63T/2500	FTB-100T/3200	FTB-160T/4000	FTB-200T/6000
Bending Force	Ton	63	100	160	200
Bending Length	mm	2500	3200	4000	6000
Distance Between Columns	mm	2000	2600	3200	4800
Throat Depth	mm	250	320	320	400
Open Height	mm	380	420	420	480
Stroke Length	mm	120	150	150	200
Max. Daylight	mm	480	520	520	580
Approach Speed	mm/s	120	120	100	100
Bending Speed	mm/s	10	10	9	9
Return Speed	mm/s	100	100	90	90
Back Gauge Range	mm	600	800	800	1000
Back Gauge Speed	mm/s	500	500	500	400
Number of Axes	-	4 Axis	4+1 Axis	4+1 Axis	4+1 Axis
Main Motor Power	kW	5.5	7.5	11	15
Oil Tank Capacity	L	120	160	200	250
Machine Dimensions (L×W×H)	mm	3000x1500x2100	3700x1600x2300	4550x1800x2400	6500x2000x2600
Machine Weight (Approx.)	kg	4200	6500	9500	14000
Power Supply	-	380V / 50Hz / 3Ph			
Control System	-	CNC Controller (E21 / DA53T / DELEM / CYBELEC)			



KEY FEATURES

- High Bending Accuracy
- High Repeatability
- Rigid & Heavy Duty Structure
- Programmable Back Gauge
- Advanced CNC Control
- Multi-Axis Control
- Hydraulic System for Smooth Operation
- Safety Light Curtain & Protection

ACCURATE BENDS. HIGHER PRODUCTIVITY. RELIABLE PERFORMANCE.

FOXTALE

BENDING MACHINE

Precision Bending.
Perfect Results.

- HIGH PRECISION
- STRONG & RIGID FRAME
- ADVANCED CNC CONTROL
- HIGH REPEATABILITY
- ENERGY EFFICIENT



FROM SHEET TO PERFECTION

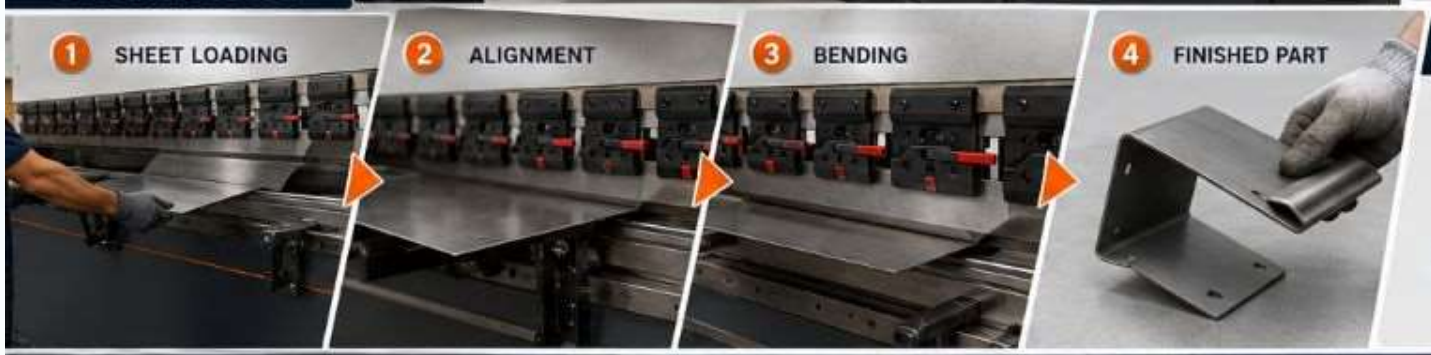


PRECISION BENDING PROCESS

PERFECTLY BENT PARTS



BENDING PROCESS



WIDE RANGE OF APPLICATIONS

- ELECTRICAL PANELS
- AUTOMOTIVE COMPONENTS
- INDUSTRIAL EQUIPMENT
- KITCHEN EQUIPMENTS
- DOORS & WINDOWS
- SHEET METAL FABRICATION

ACCURATE BENDS. HIGHER PRODUCTIVITY. RELIABLE PERFORMANCE.

FOXTALE

LASER SERVICES PRIVATE LIMITED

PRECISION IN EVERY BEND, EXCELLENCE IN EVERY SOLUTION

BENDING MACHINES

BUILT FOR PRECISION. ENGINEERED FOR PERFORMANCE.

- HIGH PRECISION
- HIGH PERFORMANCE
- HIGH PRODUCTIVITY

ECO SERIES PRESS BRAKE

Economical | Efficient | Reliable

CAPACITY: 40 TON – 160 TON

BENDING LENGTH: 1250mm – 3200mm



STANDARD CNC PRESS BRAKE

High Accuracy | High Efficiency

CAPACITY: 40 TON – 250 TON

BENDING LENGTH: 1250mm – 4100mm



HEAVY DUTY CNC PRESS BRAKE

Heavy Structure | High Power

CAPACITY: 160 TON – 500 TON

BENDING LENGTH: 3200mm – 6000mm



HIGH PRECISION CNC PRESS BRAKE

Ultra Precision | Multi-Axis Control

CAPACITY: 80 TON – 320 TON

BENDING LENGTH: 1600mm – 4100mm



SYNCHRO CNC PRESS BRAKE

Synchronised Operation | Consistent Accuracy

CAPACITY: 160 TON – 600 TON

BENDING LENGTH: 3200mm – 6000mm



DA SERIES SERVO ELECTRIC PRESS BRAKE

Energy Saving | High Speed | Low Maintenance

CAPACITY: 40 TON – 200 TON

BENDING LENGTH: 1250mm – 3200mm



COMPACT PRESS BRAKE

Compact Design | Space Saving | Easy Operation

CAPACITY: 40 TON – 100 TON

BENDING LENGTH: 1250mm – 2500mm



HYDRAULIC PRESS BRAKE

Robust | Durable | Cost Effective

CAPACITY: 40 TON – 300 TON

BENDING LENGTH: 1250mm – 4100mm



- HIGH BENDING ACCURACY
- RIGID & HEAVY DUTY MACHINE STRUCTURE
- ADVANCED CNC CONTROL SYSTEM
- PROGRAMMABLE BACK GAUGE & MULTI AXIS CONTROL
- ENERGY EFFICIENT & LOW MAINTENANCE
- WIDE RANGE OF APPLICATIONS

SHEET METAL | AUTOMOTIVE | ELECTRICAL KITCHEN EQUIPMENT | FABRICATION

ACCURATE BENDS. HIGHER PRODUCTIVITY. RELIABLE PERFORMANCE.

Rolling Machine

Product Overview

The FOXTALE Plate Rolling Machine is a high-precision, heavy-duty solution designed for sheet metal and metal fabrication industries. It bends and rolls metal sheets including Mild Steel (MS), Stainless Steel (SS), Aluminum, and various Alloy plates into Cylinders, Tubes, Cones, and Curved Shells.Engineered with advanced Hydraulic Systems and CNC Automation Technology, this machine ensures high efficiency, operational safety, and consistent roundness accuracy across all fabrication tasks.

Features

- **4-Roll / 3-Roll Hydraulic Architecture**: Equipped with a dual pre-bending mechanism that accurately curves both edges of the sheet without requiring extra manual pressing steps.
- **Smart CNC Control Panel**: Intuitive touchscreen interface supporting multi-radius bending and automated conical shape programming.
- **Induction Hardened Rolls**: Heavy-duty forged alloy steel rolls built to withstand continuous heavy loads while resisting wear and tear.
- **Hydraulic Drop-End**: Automatic tilting drop-end for smooth, fast, and safe removal of completed cylindrical shells.
- **Conical Rolling Functionality**: Integrated roll-tilting capabilities to easily roll conical and funnel shapes.
- **High Safety & Precision**: Emergency stop controls, overload protection, and precise roundness repeatability (+-0.2mm)



FOXTALE
ROLLING MACHINES

ROLLING MACHINES
HIGH PERFORMANCE • PRECISION • RELIABILITY

- ROBUST STRUCTURE
- HIGH ACCURACY
- EASY OPERATION
- WIDE APPLICATION

3 ROLL PLATE ROLLING MACHINE



4 ROLL PLATE ROLLING MACHINE



HYDRAULIC 3 ROLL VARIABLE GEOMETRY



HYDRAULIC 4 ROLL VARIABLE GEOMETRY



MODEL		FTRM-3R-1300	FTRM-3R-1600	FTRM-4R-1600	FTRM-4R-2000	FTRM-H3R-2000 (VG)	FTRM-H4R-2500 (VG)
TYPE		3 Roll	3 Roll	4 Roll	4 Roll	3 Roll (Variable Geometry)	4 Roll (Variable Geometry)
MAX. ROLLING LENGTH	mm	1300	1600	1600	2000	2000	2500
MAX. ROLLING THICKNESS (MILD STEEL)	mm	6	8	6	8	10	12
PRE-BENDING THICKNESS	mm	4	6	4	6	8	10
TOP ROLL DIAMETER	mm	120	140	140	160	180	220
BOTTOM ROLL DIAMETER	mm	110	130	130	150	170	210
SIDE ROLL DIAMETER	mm	100	120	120	140	140	200
ROLLING SPEED	m/min	4 - 6	4 - 6	4 - 6	4 - 6	4 - 7	4 - 7
MAIN MOTOR POWER	kW	5.5	7.5	7.5	11	11	15
HYDRAULIC MOTOR POWER	kW	4	5.5	5.5	7.5	7.5	11
CONTROL SYSTEM		NC	NC	NC	NC	NC	NC
VOLTAGE		415V / 50Hz / 3Ph	415V / 50Hz / 3Ph	415V / 50Hz / 3Ph	415V / 50Hz / 3Ph	415V / 50Hz / 3Ph	415V / 50Hz / 3Ph
APPROX. WEIGHT	kg	1800	2500	2800	3800	4200	6500

KEY FEATURES

- Heavy duty steel welded structure for maximum stability
- High strength rolls made from alloy steel
- Hydraulic operation for easy material handling
- Pre-bending facility for better accuracy
- Variable geometry models for minimum flat end
- Digital control panel for precise operation
- Suitable for MS, SS, Aluminium & other metal sheets
- Used in cylindrical rolling, conical rolling & more



CYLINDRICAL ROLLING



CONICAL ROLLING



FINISHED PRODUCTS

WIDE RANGE OF APPLICATIONS

- CHEMICAL INDUSTRY
- BOILER & PRESSURE VESSELS
- STRUCTURAL FABRICATION
- SHIP BUILDING
- AUTOMOTIVE INDUSTRY
- VENTILATION DUCTS & TANKS
- AGRICULTURAL EQUIPMENT
- GENERAL ENGINEEERING

WHY CHOOSE FOXTALE ROLLING MACHINES?

- PRECISION PERFORMANCE
- HEAVY DUTY & DURABLE
- ENERGY EFFICIENT
- LOW MAINTENANCE
- BEST IN CLASS SAFETY

FOXTALE
ROLLING MACHINE

3 ROLL / 4 ROLL PLATE ROLLING MACHINES

High Performance • High Accuracy • Heavy Duty • Reliable

PRECISION ROLLING | HIGH PERFORMANCE | EASY OPERATION | STRONG & DURABLE

TECHNICAL SPECIFICATIONS

MODEL		FTRM-3R-1300	FTRM-3R-1600	FTRM-4R-2000	FTRM-4R-2500	FTRM-4R-3000
TYPE		3 Roll	3 Roll	4 Roll	4 Roll	4 Roll
MAX. ROLLING LENGTH	mm	1300	1600	2000	2500	3000
MAX. ROLLING THICKNESS (MILD STEEL)	mm	6	8	10	12	16
PRE-BENDING THICKNESS	mm	4	6	8	10	12
TOP ROLL DIAMETER	mm	120	140	160	190	220
BOTTOM ROLL DIAMETER	mm	110	130	150	170	200
SIDE ROLL DIAMETER	mm	100	120	140	160	180
ROLLING SPEED	m/min	4 - 6	4 - 6	4 - 7	4 - 7	4 - 7
MAIN MOTOR POWER	kW	5.5	7.5	11	15	18.5
HYDRAULIC MOTOR POWER	kW	4	5.5	7.5	11	15
CONTROL SYSTEM		NC	NC	NC	NC	NC
VOLTAGE		415V / 50Hz / 3Ph	415V / 50Hz / 3Ph	415V / 50Hz / 3Ph	415V / 50Hz / 3Ph	415V / 50Hz / 3Ph
APPROX. WEIGHT	kg	1800	2500	3800	5200	6500

MACHINE OVERVIEW



- Robust Steel Welded Machine Structure
- Hardened & Ground Rollers for Long Life
- Hydraulic Drop End for Easy Operation

STANDARD FEATURES

- Heavy duty steel welded machine frame ensures maximum stability
- Top roll is driven by hydraulic motor through planetary gearbox
- Hardened and ground rolls made from high quality alloy steel
- Hydraulic drop end for easy removal of rolled parts
- Digital readout for bottom roll positioning
- Separate control panel with user friendly operation
- Conical bending attachment
- Overload protection for hydraulic system
- Emergency stop with safety standards

CONTROL PANEL

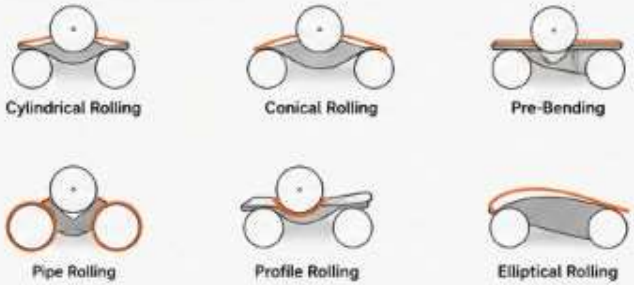


NC Control with Digital Display for Easy & Precise Operation

OPTIONAL ACCESSORIES

- NC / CNC Control System
- Induction Hardened Rolls
- Variable Speed
- Hydraulic Support Arms
- Cone Rolling Attachment
- Profile Rolling Attachment
- Motorized Back Gauge
- Oil Cooler
- Extended Side Supports

ROLLING CAPABILITIES



WIDE RANGE OF APPLICATIONS



TYPICAL FINISHED PRODUCTS



Note: All specifications are indicative and subject to change without prior notice. Custom models and sizes are available as per requirement.

FOXTALE
ROLLING MACHINES

ROLLING MACHINE

BEFORE & AFTER WORK EXAMPLES



PLATE ROLLING (CYLINDRICAL)

BEFORE



AFTER



FINISHED PRODUCT



CONICAL ROLLING

BEFORE



AFTER



FINISHED PRODUCT



PIPE ROLLING

BEFORE



AFTER



FINISHED PRODUCT



PROFILE ROLLING

BEFORE



AFTER



FINISHED PRODUCT



RING ROLLING

BEFORE



AFTER



FINISHED PRODUCT



CNC ROUTER MACHINE

Product Overview

The Foxtale CNC Router Machine is a high-performance computer-controlled cutting, engraving and carving solution designed for precision machining of a wide range of materials. It combines a rigid machine structure,high-speed spindle,CNC motion control and advanced software to deliver accurate and repeatable results for industrial and commercial applications.The machine is suitable for wood, MDF,Plywood,Acrylic,PVC,Foam, plastics,compositeboards,aluminium and other compatible non-ferrous materials,depending on spindle power, tooling and machine configuration.With multiple working-area options and customizable spindle, drive and control configurations, Foxtale CNC Routers can be supplied according to material, sheet size, cutting depth and production requirements.

Features

- High-Speed CNC Machining for cutting, engraving and carving
- Heavy-Duty Machine Bed for improved stability and reduced vibration
- High-Precision Linear Motion System for accurate movement
- Powerful Spindle Motor suitable for continuous industrial operation
- Advanced CNC Controller for easy programming and operation
- High-Speed Cutting & Engraving for improved productivity
- Automatic Tool Options available for advanced configurations
- Vacuum Table Option for secure workpiece holding
- Dust Collection System available for cleaner operation with Customized Working Area according to customer requirements & Compatible with Multiple CAD/CAM Software Platforms.



FOXTALE

CNC ROUTER MACHINE

TECHNICAL SPECIFICATIONS

HIGH PRECISION • HIGH SPEED • HIGH PERFORMANCE

SPECIFICATION	DETAILS / OPTIONS
Machine Type	CNC Router / Engraving & Cutting Machine
Working Area (X x Y)	4' x 4' (1220 x 1220 mm) / 4' x 8' (1220 x 2440 mm) / 5' x 10' (1530 x 3050 mm) / 6' x 12' (1830 x 3660 mm) / Custom
Z Axis Travel	150 mm / 200 mm / 300 mm (Option)
Spindle Power	3.2 kW / 4.5 kW / 6 kW / 9 kW (Option)
Spindle Speed	Up to 24,000 RPM
Spindle Cooling	Air Cooling / Water Cooling (Option)
Drive System	Rack & Pinion / Ball Screw (Option)
Guide System	High Precision Linear Guide Rails
Maximum Travel Speed	Up to 30 m/min
Working Speed	Up to 20 m/min (Application Dependent)
Positioning Accuracy	±0.05 mm
Repeat Accuracy	±0.03 mm
Control System	DSP / NC Studio / Mach3 / Syntec (Option)
Interface	USB / Ethernet
Table Type	T-Slot Table / Vacuum Table / Hybrid Table (Option)
Vacuum Pump	5.5 kW / 7.5 kW (Option)
Tool Diameter	Ø3 mm – Ø20 mm (Standard)
Tool Holder	ER20 / ER25 / ER32 (Option)
Software Compatibility	ArtCAM / Aspire / Fusion 360 / Type3 / Ucancam / Compatible CAD-CAM
File Formats	G-Code, .nc, .u00, .dxf, .dwg, .ai, .plt, .stl, .rle
Material Thickness	Up to 150 mm (Depends on Material & Tool)
Material Suitable	Wood, MDF, Plywood, Acrylic, PVC, Foam, Plastic, Aluminium, Composite Board, etc.
Voltage	220V / 380V, 3 Phase, 50 Hz
Installed Power	5 kW – 15 kW (Depending on Model & Spindle)
Machine Structure	Heavy Duty Welded Steel Structure
Lubrication System	Manual / Automatic (Option)
Dust Collection	Dust Collector / Vacuum System (Option)
Emergency Stop	Standard
Optional Features	Automatic Tool Changer (ATC), Rotary Axis, Servo Motor & Drive, Mist Cooling System
Net Weight (Approx.)	600 kg – 2000 kg (Depending on Model & Size)

MACHINE DIMENSIONS (Reference)



KEY FEATURES



- High Precision Linear Guides
- High Speed Spindle
- Stable Heavy Duty Structure
- Advanced Control System
- Dust Collection System
- High Accuracy & Performance

SUITABLE MATERIALS



WOOD | MDF | PLYWOOD | ACRYLIC | PVC | ALUMINIUM | FOAM

APPLICATIONS



WOOD CARVING | SIGN MAKING | 3D ENGRAVING | FURNITURE MAKING | DOOR DESIGN | DECORATIVE PANELS

HIGH PRECISION — ACCURACY & REPEATABILITY

HIGH PRODUCTIVITY — FASTER CUTTING & ENGRAVING

VERSATILE APPLICATION — MULTIPLE MATERIAL COMPATIBILITY

RELIABLE & DURABLE — LONG LIFE PERFORMANCE

EASY TO USE — USER FRIENDLY OPERATION

LOW MAINTENANCE — COST EFFECTIVE OPERATION

FOXTALE

CNC ROUTER MACHINE

SUITABLE MATERIALS

HIGH PRECISION • HIGH PERFORMANCE • WIDE APPLICATION



WOOD & WOOD BASED MATERIALS



SOLID WOOD
Furniture, doors, windows, decorative work



MDF
Cabinetry, interior, partitions, engraving



HDF
Back panels, flooring, interior applications



PLYWOOD
Furniture, construction, packaging, templates



PARTICLE BOARD
Furniture, cabinets, shelves, interior applications



LAMINATED BOARDS
Decorative panels, modular furniture

PLASTICS & COMPOSITE MATERIALS



ACRYLIC
Signage, letters, displays, decorative items



PVC
Boards, panels, signage, foam boards



HDPE
Industrial parts, cutting boards, chemical resistant applications



FOAM
Packaging, modeling, prototypes, signs, patterns



ACP
Sign boards, cladding, exhibition panels



COMPOSITE BOARDS
Interior, partitions, industrial applications

NON-FERROUS METALS (With Suitable Tooling & Configuration)



ALUMINIUM
Panels, enclosures, prototypes, industrial parts



BRASS
Decorative items, electrical components, precision parts



COPPER
Electrical parts, decorative work, precision components



OTHER NON-FERROUS MATERIALS
Suitable materials can be machined as per application & tooling

HIGH PRECISION
Accurate cutting & engraving

HIGH SPEED
Faster production & high efficiency

VERSATILE
Works with multiple materials

RELIABLE & DURABLE
Heavy duty build for long life

WIDE APPLICATION
Ideal for multiple industries

CNC ROUTER MACHINE – WORKING APPLICATIONS

HIGH PRECISION • HIGH SPEED • HIGH PERFORMANCE









PRECISION • ACCURACY • QUALITY FINISH









PRECISE
CUTTING & ENGRAVING

SMOOTH OPERATION
& HIGH ACCURACY

HEAVY DUTY STRUCTURE
STABLE PERFORMANCE

WIDE RANGE OF MATERIALS
MULTIPLE APPLICATIONS

CNC ROUTER MACHINE – MODELS RANGE

HIGH PRECISION • HIGH SPEED • HIGH PERFORMANCE

FXR 1325

Standard Model



Working Area	1300 x 2500 x 200 mm
Spindle Power	3.2 kW / 4.5 kW
Spindle Speed	0 – 24,000 RPM
Table Type	T-Slot Table
Drive System	Rack & Pinion
Control System	DSP / NC Studio
Application	Wood, MDF, Acrylic, PVC, etc.

FXR 1325 ATC

Auto Tool Change Model



Working Area	1300 x 2500 x 200 mm
Spindle Power	6 kW / 9 kW
Spindle Speed	0 – 24,000 RPM
Table Type	Vacuum Table
Drive System	Rack & Pinion
Control System	Syntec / DSP
Application	Wood, Acrylic, PVC, Aluminium, etc.

FXR 1530

Heavy Duty Model



Working Area	1500 x 3000 x 200 mm
Spindle Power	6 kW / 9 kW
Spindle Speed	0 – 24,000 RPM
Table Type	Vacuum Table
Drive System	Rack & Pinion
Control System	Syntec / DSP
Application	Wood, MDF, Acrylic, PVC, Aluminium, etc.

FXR 2040

Large Format Model



Working Area	2000 x 4000 x 250 mm
Spindle Power	9 kW / 12 kW
Spindle Speed	0 – 24,000 RPM
Table Type	Vacuum Table
Drive System	Rack & Pinion / Ball Screw
Control System	Syntec
Application	Wood, MDF, Acrylic, PVC, Aluminium, etc.

FXR 4 AXIS ROTARY

4th Axis Rotary Model



Working Area	1300 x 2500 x 200 mm
Spindle Power	4.5 kW / 6 kW
Spindle Speed	0 – 24,000 RPM
Table Type	T-Slot / Vacuum Table
Drive System	Rack & Pinion
Control System	DSP / Syntec
Application	Cylindrical Engraving, 3D Carving, Wood Turnings

FXR NESTING CNC

Panel Processing Model



Working Area	1300 x 2500 x 200 mm
Spindle Power	9 kW
Spindle Speed	0 – 24,000 RPM
Table Type	Vacuum Table
Drive System	Rack & Pinion
Control System	Syntec
Application	Panel Cutting, Kitchen Cabinet, Furniture

HIGH PRECISION
Accurate & Repeatable Performance

HIGH SPEED
Faster Production & Better Efficiency

HEAVY DUTY STRUCTURE
Stable & Durable Machine Body

VERSATILE APPLICATIONS
Works with Multiple Materials

RELIABLE SUPPORT
Installation, Training & After Sales Support

VMC MACHINE

Product Overview

The Foxtale VMC (Vertical Machining Center) is a high-precision CNC machining solution designed for milling, drilling, tapping, boring, reaming, pocketing and contour machining of a wide range of metal components.With a rigid machine structure, high-speed spindle, precision linear guideways and advanced CNC control, the VMC delivers excellent accuracy, repeatability, surface finish and productivity for demanding industrial applications.It is suitable for automotive components, engineering parts, dies & moulds, aerospace components, machine parts, precision components and general metal fabrication.

Features

- **High-Precision Machining** : Designed for accurate dimensional control and repeatable machining of complex components.
- **Rigid Machine Structure** : Heavy-duty cast-iron construction provides excellent stability and minimizes vibration during machining.
- **High-Speed Spindle** : High-performance spindle options allow efficient milling, drilling and finishing operations.
- **Advanced CNC Control** : User-friendly CNC control enables easy programming, tool management and multi-operation machining.
- **Automatic Tool Changer** :ATC system allows automatic tool changing, reducing manual intervention and improving production efficiency.
- **Precision Linear Guideways** : High-quality linear guideways provide smooth axis movement and reliable positioning.
- **Efficient Cooling System** :Coolant circulation helps control cutting temperature, improve tool life and achieve better surface finish.
- **Flexible Machining** :A single machine can perform multiple operations such as milling, drilling, tapping, boring and contouring.



FOXTALE

VMC MACHINE

VERTICAL MACHINING CENTER

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	UNIT	STANDARD CONFIGURATION*
Machine Type	-	Vertical Machining Center
Control System	-	FANUC / Siemens / Mitsubishi / Syntec
X-Axis Travel	mm	600 / 800 / 1000 / 1200 / 1500
Y-Axis Travel	mm	400 / 500 / 600 / 700 / 800
Z-Axis Travel	mm	400 / 500 / 600 / 700 / 800
Table Size (L x W)	mm	600x400 / 800x500 / 1000x600 / 1200x600 / 1600x800
Table Load Capacity	kg	300 / 500 / 800 / 1000 / 1500
T-Slot (No. x Width x Pitch)	mm	3x14x125 / 5x18x100 / 5x18x125 / 5x22x125
Spindle Taper	-	BT30 / BT40 / BT50
Spindle Speed	RPM	6,000 / 8,000 / 10,000 / 12,000 / 15,000 / 18,000 (Optional)
Spindle Power	kW	5.5 / 7.5 / 11 / 15 / 18.5 / 22 (Optional)
Tool Capacity	Nos.	12 / 16 / 20 / 24 / 30 (ATC)
Tool Change Time (T-T)	sec	2.0 – 3.5
Max. Tool Diameter	mm	Φ70 / Φ80 / Φ100 (Dependent on ATC)
Max. Tool Length	mm	250 / 300 / 350
Max. Tool Weight	kg	7 / 8 / 10
Rapid Traverse (X/Y/Z)	m/min	36 / 36 / 30 (Optional 48 / 48 / 36)
Cutting Feed Rate	mm/min	1 – 10000
Positioning Accuracy	mm	±0.005 / 300
Repeatability	mm	±0.003
Guideway Type	-	Linear Guideway / Box Way (Optional)
Drive System	-	AC Servo Motor
Coolant System	-	Flood Coolant
Chip Removal	-	Chip Conveyor (Optional)
Lubrication System	-	Automatic Lubrication
Air Pressure Required	kg/cm²	5 – 7
Power Supply	V	380V, 3 Phase, 50Hz
Machine Weight (Approx.)	kg	3000 / 4500 / 6000 / 8000 / 10000

* Specifications may vary according to model and configuration.



STANDARD FEATURES

- Rigid & Heavy Duty Construction
- High Precision Linear Guideways
- High Speed & High Power Spindle
- Automatic Tool Changer (ATC)
- Advanced CNC Control System
- High Speed Servo Motor
- Electronic Hand Wheel (MPG)
- Coolant System
- Automatic Lubrication System
- LED Work Light
- Full Enclosure Guard
- Heat Exchanger (Electrical Cabinet)
- Chip Tray
- Leveling Bolts & Pads
- Operation & Maintenance Manual
- Tools & Tool Box

OPTIONAL FEATURES

- 4th Axis Rotary Table
- Chip Conveyor
- Tool Measuring System
- Workpiece Probing System
- High Pressure Coolant
- Oil Skimmer
- Through Spindle Coolant

MACHINE WORKING AREA DIAGRAM



HIGH PRECISION
Excellent Accuracy & Repeatability

HIGH PRODUCTIVITY
Faster Machining & Reduced Cycle Time

RIGID STRUCTURE
Heavy Duty Construction for Vibration Free Machining

MULTI APPLICATION
Milling, Drilling, Tapping, Boring & More

RELIABLE PERFORMANCE
Stable, Durable & Long Life Performance

FOXTALE
VMC MACHINES

SUITABLE MATERIALS

VMC MACHINING CENTER – HIGH PRECISION • HIGH SPEED • HIGH PERFORMANCE

FERROUS MATERIALS

MILD STEEL



Excellent machinability, widely used in general engineering components.

CARBON STEEL



High strength and durability, suitable for precision machined parts.

ALLOY STEEL



High strength, toughness and wear resistance, ideal for heavy duty parts.

STAINLESS STEEL



Corrosion resistant, ideal for applications requiring high surface finish.

CAST IRON



Excellent vibration damping properties, suitable for machine bases and cast parts.

TOOL STEEL



High hardness and wear resistance, ideal for dies, moulds and cutting tools.

NON-FERROUS MATERIALS

ALUMINIUM



Lightweight, corrosion resistant and easy to machine, ideal for automotive and aerospace parts.

BRASS



Excellent machinability and electrical conductivity, suitable for precision parts.

COPPER



High electrical & thermal conductivity, ideal for electrical components.

BRONZE



High wear resistance and corrosion resistance, suitable for bearings and bushings.

TITANIUM



High strength to weight ratio, used in aerospace, medical and high performance parts.

ENGINEERING PLASTICS



Lightweight, corrosion resistant, used for prototype and special industrial applications.

WIDE RANGE OF APPLICATIONS

AUTOMOTIVE
Engine Parts, Brackets, Housings, Shafts

GENERAL ENGINEERING
Machine Components, Fixtures, Plates

DIE & MOULD
Mould Bases, Cores, Dies, Inserts

AEROSPACE
Precision Components, Structural Parts

MACHINERY
Gears, Housings, Mounting Plates

PRECISION COMPONENTS
High Accuracy Parts for Multiple Industries

Foxtale VMC Machines are designed to machine a wide range of ferrous & non-ferrous materials with high accuracy, excellent surface finish and repeatability.

FOXTALE
VERTICAL MACHINING CENTER

VMC MACHINE – MODELS RANGE

HIGH PRECISION • HIGH SPEED • HIGH PERFORMANCE

VMC 640

STANDARD MODEL



SPECIFICATIONS

Table Size	700 x 420 mm
X/Y/Z Travel	600 / 400 / 400 mm
Spindle Speed	8000 RPM
Spindle Power	5.5 / 7.5 kW
Tool Taper	BT40
Tool Capacity	24 Tools (ATC)
Rapid Traverse (X/Y/Z)	36 / 36 / 30 m/min
Machine Weight	3200 kg

SUITABLE FOR

Small & medium size components, precision parts, general machining



VMC 855

HEAVY DUTY MODEL



SPECIFICATIONS

Table Size	1000 x 550 mm
X/Y/Z Travel	800 / 550 / 550 mm
Spindle Speed	8000 RPM
Spindle Power	7.5 / 11 kW
Tool Taper	BT40
Tool Capacity	24 Tools (ATC)
Rapid Traverse (X/Y/Z)	36 / 36 / 30 m/min
Machine Weight	4500 kg

SUITABLE FOR

Automotive parts, moulds, dies, fixtures, general engineering parts



VMC 1160

HIGH PERFORMANCE MODEL



SPECIFICATIONS

Table Size	1300 x 600 mm
X/Y/Z Travel	1100 / 600 / 600 mm
Spindle Speed	10000 RPM
Spindle Power	11 / 15 kW
Tool Taper	BT40
Tool Capacity	24 / 30 Tools (ATC)
Rapid Traverse (X/Y/Z)	36 / 36 / 30 m/min
Machine Weight	6500 kg

SUITABLE FOR

Precision components, job works, mould & die manufacturing



VMC 1370

HEAVY DUTY PLUS MODEL



SPECIFICATIONS

Table Size	1400 x 700 mm
X/Y/Z Travel	1300 / 700 / 700 mm
Spindle Speed	10000 RPM
Spindle Power	15 / 18.5 kW
Tool Taper	BT50
Tool Capacity	24 / 30 Tools (ATC)
Rapid Traverse (X/Y/Z)	30 / 30 / 24 m/min
Machine Weight	8000 kg

SUITABLE FOR

Large size components, heavy cutting, aerospace, defence & engineering parts



VMC 1580

LARGE FORMAT MODEL



SPECIFICATIONS

Table Size	1700 x 800 mm
X/Y/Z Travel	1500 / 800 / 800 mm
Spindle Speed	8000 RPM
Spindle Power	18.5 / 22 kW
Tool Taper	BT50
Tool Capacity	24 / 30 Tools (ATC)
Rapid Traverse (X/Y/Z)	30 / 30 / 24 m/min
Machine Weight	10500 kg

SUITABLE FOR

Large, heavy & high precision parts, ship building, energy & industrial parts



HIGH PRECISION
Excellent Accuracy & Repeatability

HIGH SPEED
Faster Machining & Better Productivity

RIGID STRUCTURE
Heavy Duty Casting for Vibration Free Cutting

MULTI APPLICATION
Milling, Drilling, Tapping, Boring & More

RELIABLE PERFORMANCE
Stable, Durable & Long Life Performance

* Specifications may vary according to model and configuration. | FOXTALE VMC Series – Built for Precision, Built for Performance.

TUBE LASER CUTTING MACHINE

Product Overview

The Foxtale Tube Laser Cutting Machine is an advanced fiber laser cutting solution designed for high-speed, high-precision cutting of round, square, rectangular, oval and other metal tubes and profiles. The machine combines a high-power fiber laser source, precision CNC motion system, automatic chuck/rotation mechanism and intelligent nesting software to deliver accurate cuts with excellent repeatability.It is ideal for manufacturers working with pipes, hollow sections, structural profiles and metal tubes, helping reduce manual operations, improve material utilization and produce complex cuts such as holes, slots, mitres and joints.

Features

- Fiber Laser Technology for fast and clean metal cutting
- Automatic Tube/Chucking System for stable workpiece rotation
- High-Precision Servo Drive for accurate positioning
- Automatic Centering for consistent tube alignment
- Multiple Profile Compatibility – round, square, rectangular and other profiles
- High-Speed Cutting with optimized acceleration and movement
- Automatic Focusing Laser Head for different material thicknesses
- Advanced CNC Control for easy operation and programming
- Nesting Software for improved material utilization
- Low Maintenance compared with conventional cutting technologies
- Customized Tube Length & Diameter Capacity according to requirements



TECHNICAL SPECIFICATIONS

SPECIFICATION	DETAILS
Machine Type	CNC Fiber Tube Laser Cutting Machine
Laser Power	1500W / 2000W / 3000W / 6000W / 12000W
Laser Source	Raycus / MAX / IPG / JPT
Laser Head	Auto-Focus Fiber Laser Head
Tube Cutting Length	3000 / 6000 / 9000 / 12000 mm
Round Tube Diameter	Ø20 – Ø220 mm (Model Dependent)
Square Tube Size	Up to 150 x 150 / 220 x 220 mm
Rectangular Tube Size	Up to 220 x 100 mm (Model Dependent)
Positioning Accuracy	±0.03 mm
Repeat Accuracy	±0.02 mm
Maximum Speed	Up to 100 – 120 m/min
Acceleration	Up to 1.5G
Chuck Type	Pneumatic / Electric Chuck
Chuck Configuration	Double / Three-Chuck / Four-Chuck
Control System	FSCUT / CypCut
Drive System	Servo Motor
Transmission	Rack & Pinion
Cooling System	Industrial Water Chiller
Power Supply	380V, 3 Phase
Supported Files	DXF, DWG, AI, PLT and more
Software	CypCut / TubePro
Lubrication	Automatic Lubrication
Machine Structure	Heavy-Duty Welded Steel
Loading System	Manual / Semi-Automatic / Automatic

* Specifications may vary according to model and customer requirements.



KEY FEATURES

- High Precision & High Speed Cutting
- Wide Range of Tube & Profile Cutting
- Automatic Chuck & Centering System
- Auto-Focus Laser Head for Different Thickness
- Advanced CNC Control System
- High Material Utilization
- Smooth Surface Finish
- Low Maintenance & High Reliability
- Intelligent Nesting Software
- Safe & User Friendly Operation
- Energy Efficient & Cost Effective
- Reliable Service & Support


BEFORE
RAW MATERIAL (TUBES)
AFTER
AFTER LASER CUTTING
FOXTALE
LASER SERVICES PRIVATE LIMITED
TUBE LASER CUTTING MACHINE

SUITABLE MATERIALS

Works Perfectly on a Wide Range of Metal Materials


STAINLESS STEEL


MILD STEEL (MS)


ALUMINIUM


BRASS


COPPER


GALVANIZED STEEL


IRON


METAL PIPES & PROFILES

High Precision | Smooth Cutting | Clean Edges

One Machine, Multiple Possibilities

TUBE LASER CUTTING MACHINE – MODELS

FT-TL60A

Professional &
High Efficiency



- Round Pipe: Ø10 - Ø 63 mm
- Square Pipe: □10 - □ 45 mm
- Max. Length: 6000 mm
- Laser Power: 1000W - 3000W

FT-TL120A

High Performance
All-Rounder



- Round Pipe: Ø15 - Ø 120 mm
- Square Pipe: □15 - □ 85 mm
- Max. Length: 6000 mm
- Laser Power: 1000W - 6000W

FT-TL160A

Heavy Duty
Powerful Cutting



- Round Pipe: Ø20 - Ø 160 mm
- Square Pipe: □20 - □ 110 mm
- Max. Length: 6000 mm / 9000 mm
- Laser Power: 1500W - 6000W

FT-TL220A

Extra Heavy Duty
For Thick Tubes



- Round Pipe: Ø30 - Ø 220 mm
- Square Pipe: □30 - □ 150 mm
- Max. Length: 6000 mm / 9000 mm
- Laser Power: 3000W - 12000W

FT-TL350A

Super Heavy Duty
Industrial Grade



- Round Pipe: Ø50 - Ø 350 mm
- Square Pipe: □50 - □ 250 mm
- Max. Length: 6000 mm / 12000 mm
- Laser Power: 6000W - 12000W

CNC Pipe Bending Machine

Product Overview

The Foxtale CNC Pipe Bending Machine is designed for accurate, repeatable and efficient bending of pipes and tubes used across various industrial applications. Its CNC-controlled bending system enables consistent bending quality while reducing manual effort and setup time.



Features

- **CNC-Controlled Operation** – Precise and programmable pipe bending.
- **High Bending Accuracy** – Consistent results with repeatable bending angles.
- **Robust Machine Construction** – Heavy-duty structure designed for industrial use.
- **Wide Pipe & Tube Compatibility** – Suitable for different pipe and tube sizes, depending on configuration.
- **Easy-to-Use Control System** – User-friendly interface for programming and operation.
- **Multi-Axis Bending Capability** – Supports complex bending requirements depending on machine configuration.
- **High Productivity** – Designed for faster production with reduced manual intervention.
- **Stable & Reliable Performance** – Suitable for continuous industrial operation.
- **Precision Tooling System** – Supports accurate forming and controlled bending.
- **After-Sales Support** – Installation, commissioning,service, spare parts and AMC support available through Foxtale.



FT-38NC CNC Pipe Bending Machine (Max. 38 mm)



FT-63NC CNC Pipe Bending Machine (Max. 63 mm)



FT-89NC CNC Pipe Bending Machine (Max. 89 mm)



FT-114NC CNC Pipe Bending Machine (Max. 114 mm)



FT-168NC CNC Pipe Bending Machine (Max. 168 mm)



FT-219NC CNC Pipe Bending Machine (Max. 219 mm)

SPECIFICATION	FT-38NC	FT-63NC	FT-89NC	FT-114NC	FT-168NC	FT-219NC
Max. Bending Pipe Diameter (Carbon Steel)	Ø 38 mm	Ø 63 mm	Ø 89 mm	Ø 114 mm	Ø 168 mm	Ø 219 mm
Max. Bending Radius	R 150 mm	R 200 mm	R 250 mm	R 300 mm	R 400 mm	R 500 mm
Max. Wall Thickness (Carbon Steel)	2.0 mm	3.0 mm	4.0 mm	5.0 mm	6.0 mm	8.0 mm
Max. Bending Angle	190°	190°	190°	190°	190°	190°
Bending Accuracy	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°	±0.1°
Repeatability	±0.05°	±0.05°	±0.05°	±0.05°	±0.05°	±0.05°
Bending Speed (Max.)	60°/sec	55°/sec	50°/sec	45°/sec	40°/sec	35°/sec
Motor Power	7.5 kW	11 kW	15 kW	18.5 kW	22 kW	30 kW
Hydraulic Pressure	12 MPa	14 MPa	16 MPa	18 MPa	20 MPa	22 MPa
Length (Approx.)	4,500 mm	5,500 mm	6,500 mm	7,500 mm	9,000 mm	11,000 mm
Width (Approx.)	1,200 mm	1,200 mm	1,200 mm	1,200 mm	1,200 mm	1,200 mm
Height (Approx.)	1,400 mm	1,400 mm	1,400 mm	1,400 mm	1,400 mm	1,400 mm
Machine Weight (Approx.)	3,500 kg	5,000 kg	6,500 kg	8,000 kg	11,000 kg	14,000 kg

KEY FEATURES

- CNC Control System
- High Precision Bending
- Heavy Duty Structure
- Automatic Lubrication
- Safety Protection

OPTIONAL FEATURES

- Tube Rotation Device
- Automatic Loading System
- Additional Bending Tool Sets
- Custom Configurations as per Requirement

From Straight Tube to Precision-Bent Part

Four common materials shown before and after CNC bending



MILD STEEL

STRAIGHT → BENT



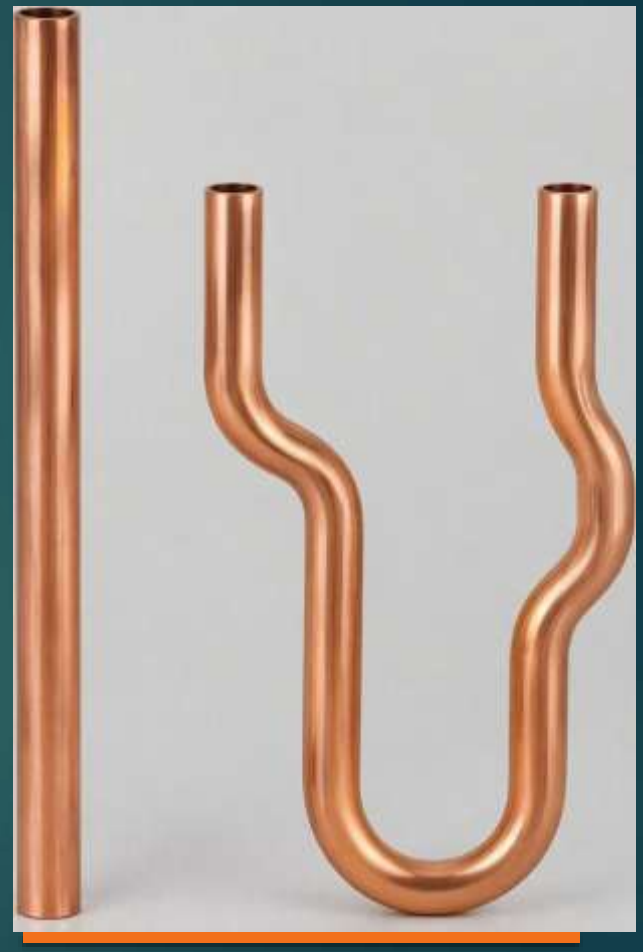
STAINLESS STEEL

STRAIGHT → BENT



ALUMINIUM

STRAIGHT → BENT



COPPER

STRAIGHT → BENT

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Driver


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Water Pump


Nozzle & Lens


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Plasma Cutting Machine


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Regular maintenance for smooth operation

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24/7 SUPPORT
24/7 technical support whenever you need

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