FIBER LASER CUTTING MACHINE

Plotbot Fiber

From metal sheet to your next finished part.

Designed and built in Chennai for metal fabrication, engineering workshops and custom sheet-metal production.



1.5 kW	3 kW	6 kW
POWER OPTION	STANDARD CONFIGURATION	POWER OPTION

FOR SHEET METAL — Mild steel / Stainless steel / Aluminium / Copper

STANDARD 3 kW PACKAGE / SPECIAL OFFER

₹19,99,000 + GST

Regular price ~~₹24,00,000 + GST~~

PlotNest software included at no additional cost.

A COORDINATED CUTTING SYSTEM

Control at the centre. Power matched to the job.

A cutting workflow built around FSCUT control, CypCut software and selected motion, laser and cooling components.

01 / PREPARE
Part drawing
Geometry for your component

→ 02 / SET UP
CypCut software
Layout and process parameters

→ 03 / CUT
FSCUT control
Coordinated machine operation

CONTROL PLATFORM

FSCUT + CypCut

Prepare cutting jobs in the CypCut software family and run them through the FSCUT control platform. The controller and software edition are selected together for the machine configuration.

FIBER LASER SOURCE

Raycus / MAX

Raycus is the usual source choice. MAX is an alternate. The source model and output power are specified in your quotation.

CUTTING HEAD

BOCI

The head is selected to suit the laser power and optical interface. Exact head models are confirmed with each configuration.

SERVO MOTION

Leadshine

Servo motors and drives for controlled machine motion. Axis ratings and drive models are specified for the selected build.

THERMAL MANAGEMENT

Water cooling

A chiller matched to the laser source and cutting head. Cooling equipment is selected for the required power level.

> The 6 kW option requires its own compatible controller, cutting head and chiller selection. Component models are confirmed in the final quotation.

Warranty & exclusions

Machine & motion system: 2-year warranty from purchase, excluding the components listed below.

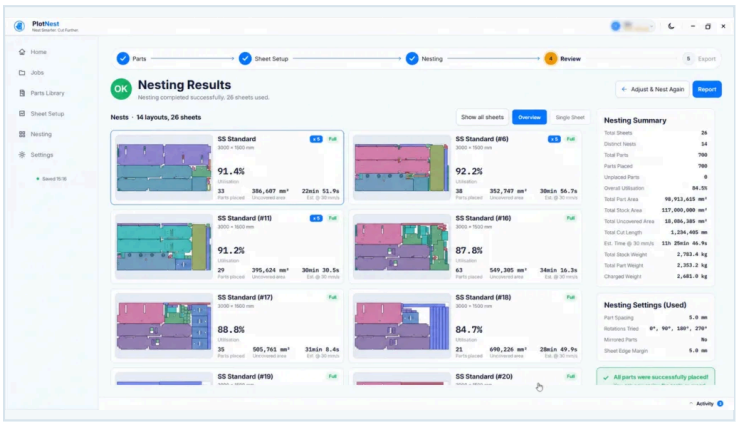
Laser source, electronics, computer, display & accessories: 1-year limited warranty from purchase.

Wear and tear parts are excluded, including bed strips and bellows damaged during cutting or burnout. Detailed scope and conditions are stated in the quotation and warranty terms.

IN-HOUSE SOFTWARE BY RETECH LASERS

Plan your sheets with PlotNest.

Import DXF/SVG parts, nest them on sheet stock and review material utilisation before exporting the layout.



Actual PlotNest interface / demo job

Prepare the job
Import parts and set quantities and sheet sizes.

Review the nest
Inspect layouts and material utilisation.

Export the result
DXF cutting layouts and a PDF nesting report.

Included at no additional cost

Licence terms confirmed in quotation.

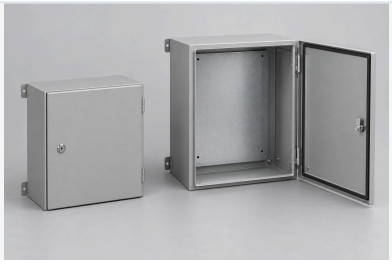
PlotNest prepares layouts. CypCut software and the FSCUT platform control the machine's cutting.

From profiles to finished applications.

Ideas for industrial fabrication, electrical housings and architectural screens.



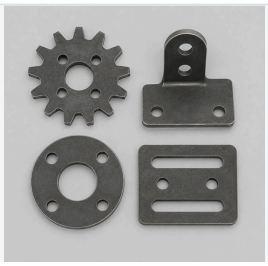
Large panel & machine housings
Application concept



Electrical boxes
Application concept



Elevation & facade panels
Application concept



Brackets & profiles
Application reference

Enclosures need further fabrication such as bending, welding and assembly after cutting. Capability and finish depend on material, thickness, laser power and process settings.

TECHNICAL OVERVIEW

Configuration guide.

3 kW
Standard power choice

SPECIFICATION	CONFIGURATION
Product	**Plotbot Fiber** / CNC fiber laser metal cutting machine
Laser power	1.5 kW / **3 kW standard** / 6 kW
Laser source	Raycus usual supply; MAX alternate
Control & software	FSCUT platform / CypCut software family
Cutting head	BOCI; model matched to selected laser power
Motion system	Leadshine servo motors and drives
Cooling	Water cooled; power-matched chiller
Materials	Mild steel, stainless steel, aluminium and copper*
Working area	**3000 × 1500 mm**
Published speed rating	Up to 100 m/min*
Published acceleration	1 g*
Published supply	380 V AC, 3-phase, 50/60 Hz*

Optional site accessories

SEPARATELY PRICED / NOT INCLUDED

Servo stabilizer
Voltage regulation. **40 kVA option for the 3 kW package**, subject to final site/load sizing.

Air compressor
Capacity and air-quality requirements to be specified for the cutting process.

Blower setup
Setup specification and site arrangement to be confirmed in the accessory quotation.

PRODUCT SALES / BOOK A DEMO

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Published ratings are not guaranteed cutting performance; results depend on power, material, gas and process settings. Product renderings and application concepts are illustrative; supplied configuration may vary. The offer covers the standard 3 kW package only, GST extra; site accessories are separately priced. Confirm components, electrical load, cutting capability, warranty and final terms in your quotation. Revision 11 / 4 November 2026.