



Desktop Fibre Laser Cutter

Compact Design with Powerful Metal Cutting Performance

Engineered for precision and reliability, this cutter handles a range of metals. Combine minimal footprint, user-friendly software, and low operating costs, and you've got a tool designed to boost your productivity.



Innovative Features:

High-Power Fiber Laser Source: Max Photonics 1.5Kw Fibre

Ensures precise, fast cutting of metals.

Compact Desktop Design

Small footprint suitable for workshops, offices, labs or classrooms.

High Cutting Precision

Produces fine details and clean edges with minimal burrs.

Fast Processing Speed

Cutting max speed -15m/ min depending on laser power and material.

Long-Lasting Fiber Laser Source

Low maintenance and high energy efficiency compared to CO₂ lasers.

Self Contained Air Cooling System

Maintains stable temperature for consistent performance.

User-Friendly Software Interface

Compatible with popular design formats, Adobe Illustrator, AutoCAD, Corel Draw, 2D design.

Versatile Material Compatibility

Cuts aluminum and steel.

Low Operating Costs

Minimal consumables; no need for frequent lens replacements.

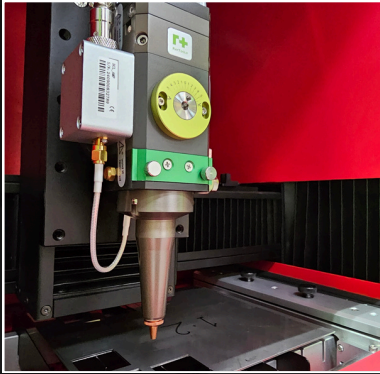
Powerful Cutting Capabilities:

- > Carbon Steel 2mm
- > Aluminium 2mm
- > Stainless Steel 2mm
- > Titanium 2mm



Our new Desktop Fibre Laser Cutter is a compact, high-precision machine that uses a focused fibre-optic laser beam to cut metals. It offers fast processing speeds, exceptional accuracy, and low maintenance.

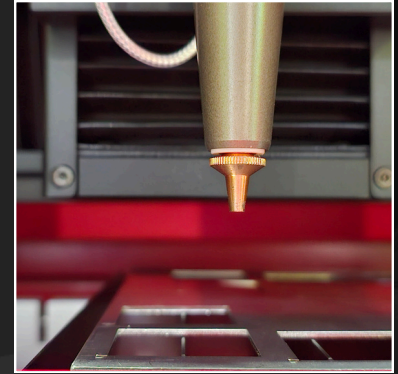
Designed to fit on a workbench, it provides professional grade manufacturing capabilities for education, small workshops, hobbyists, general engineering manufacture of small metal components and prototyping environments.



Air Cooled Laser Cutting Head



User Friendly Controls



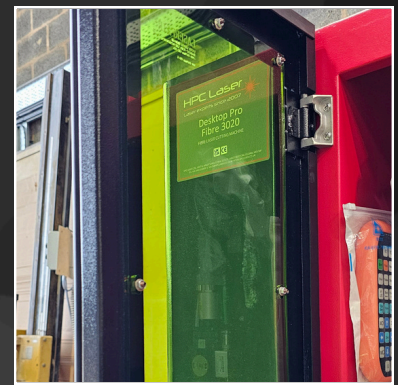
High Precision Cutting



Allen Bradley Safety Interlocks



Modern Compact Design



Fibre Laser Safe Viewing Windows

LSF3020 specification:

- Laser Wavelength: 1070nm
- Laser Mode of Operation: Continuous Wavelength
- Laser Source: Max Photonics Air Cooled 1.5kW Fibre
- Laser Head: Raytools air cooled
- Door Safety: Allen-Bradley Safety Interlocks
- Pilz Safety Relays
- Max Acceleration: 0.5G
- Axis Transmission System: Ball Screw
- Cutting Area: 200mm x 300mm
- Height Adjustment (z-travel): 100mm
- Location Precision: $\lt\pm 0.05\text{mm}$
- Fume Extraction Separate air extraction unit (supplied); optional fume filter available
- Connectivity: USB
- Software: RayTools 2D CutA-Head 2.0
- Typical File Compatibility: dxf
- Power Supply: 240v 1ph 50hz
- Input Power: 4500W (20A)
- Machine Dimensions (mm): W:950 x H:820 x L:780mm
- Weight: 220kg
- Extraction Port: 150mm diameter
- Warranty: 12-months on site excluding consumables

HPC Laser Ltd., Unit B, Ainley's Industrial Estate, Ainley Bottom, Elland, West Yorkshire, HX5 9JP
Telephone : +44 (0) 1422 310800 Email: sales@hpclaser.co.uk Web: www.hpclaser.co.uk

We have a continuous product improvement policy and consequently reserve the right to amend design and specification without prior notice. All sizes and weights stated are nominal. All errors and omissions excepted. Due to the limitations of photography and the printing process colours shown may not be 100% accurate.