WHY LYNX FIBER LASER?

LVD has utilized its experience in laser cutting technology to develop an affordable and cost effective entry into the world of fiber laser cutting, the Lynx.

TRUSTED BRAND

Developed by LVD's joint venture company in China, LVD CNC TECH, the Lynx benefits from **LVD's extensive experience in laser cutting** as one of the industry's most trusted brands and the advantages of local manufacture and assembly.

MAJOR BRAND COMPONENTS

Lynx features major brand components such as an **IPG fiber laser source, a Precitec cutting head** and a **Siemens integrated control and drive package,** to deliver top performance and reliability.

OPTIMAL COST PER PART

LVD has carefully balanced the technical specifications of the machine with the machines price point to ensure optimal cost per part.

SPECIFICATIONS*

LYNX FL3015

MACHINE SPECIFICATIONS	
Maximum sheet size	3050 x 1525 mm
X-axis travel	3080 mm
Y-axis travel	1555 mm
Z-axis travel	
upper table	75 mm
lower table	230 mm
Maximum sheet weight on table	750 kg
Table change time	35 sec.
Maximum positioning speed	120 m/min.
Repetitive accuracy	+/- 0.025 mm
Positioning accuracy	+/- 0.050 mm

MACHINE DIMENSIONS (excluding light guards, filter and chiller)	
Length	8715 mm
Width	3065 mm
Height	2506 mm
Approximate weight	13.100 kg

LASER SPECIFICATIONS	
Type	IPG Ytterbium laser source YLS
Laser power	2000 W
Range	100-2000 W
Power stability	± 2%
Wave length	1 µm

MATERIAL CAPACITIES (specifications shown 2 kW)	
Steel	12 mm
Stainless steel	8 mm
Aluminium	6 mm
Brass	6 mm
Copper	6 mm

** subject to change without prior notice*

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Fiber laser
cutting machine

LYNX FL

ENGINEERED FOR COST EFFICIENT LASER PROCESSING

04.2015 - Subject to alterations without notice

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LYNX FL

ENTER THE WORLD OF FIBER LASERS

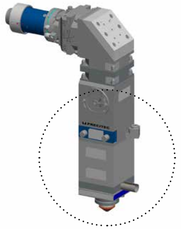
Engineered for cost efficient laser processing, the Lynx fiber laser cutting system offers the flexibility to process a wide variety of material types and thicknesses all within a modest and cost effective budget.

HIGH PROCESSING SPEEDS

Due to the fiber laser's wavelength, power is absorbed faster by the material enabling processing speed up to **three times as fast as a CO_2 laser.**

CUTTING HEAD

The new **Precitec "Light-Cutter"** guarantees high cutting speed with excellent cutting quality. It incorporates an easy and fast protective glass cartridge change, temperature and constant distance control and a crash-protection system.



VERSATILE MATERIAL CAPABILITIES

The Lynx provides accurate processing of traditional sheet metal materials such as **mild steel, stainless steel** and **aluminium** with the added versatility to process non-ferrous metals such as copper and brass.

INTEGRATED CONTROL AND DRIVE SYSTEM

New Siemens IU CNC control and inclined rack and pinion drive system guarantees the **highest reproduction of programmed contours** even at fast processing speeds.

AUTOMATIC SHUTTLE BED

The Lynx is equipped as standard with an **automatic pallet changer** that enables the loading and unloading of sheets and parts while the other pallet is being processed in the machine; with a change over time of just 35 seconds.

a robustly designed machine from a trusted brand

LASER SOURCE

The Lynx utilizes an **IPG fiber laser source.** IPG photonics is the world's leading provider of high power fiber lasers and amplifiers. All of IPG's robust fiber laser sources feature attributes of compact size, long diode life and virtually maintenance free operation.

LYNX FL

WHY FIBER LASER TECHNOLOGY?

LOW RUNNING COSTS

Fiber laser sources feature a high power conversion ratio of **30% wall plug efficiency,** combine this with the operating principle of fiber laser cutting, no laser gas, simple beam delivery to the cutting head and you have a machine with **very low operating costs.**

MAINTENANCE FREE LASER SOURCE

The Lynx is equipped with an **IPG fiber laser source.** Fiber laser sources are virtually **maintenance free,** providing consistent power delivery for thousands of hours without the need for maintenance intervention.

COST PER PART

In thin materials a fiber laser can cut up to **3 times faster than a CO_2 laser,** therefore more parts per hour can be produced. Increased productivity combined with low operating costs directly lowers the cost per part.