

*Fiber laser  
cutting  
machine*

# LYNX FL

COST-EFFICIENT LASER PROCESSING



# LYNX FL

## COST-EFFICIENT LASER PROCESSING

The Lynx FL combines cut quality with flexibility, processing a wide variety of materials and thicknesses. The system is not only cost-competitive but also extremely reliable and fast.

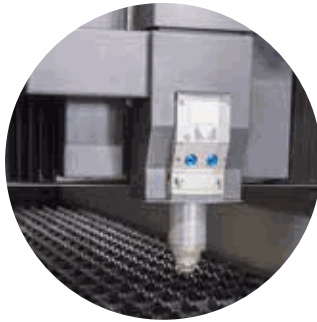


### INTUITIVE CONTROL

Touch-L maximises the power of the CNC control with the speed and simplicity of LVD's graphical user interface.

### CUTTING HEAD

A Precitec cutting head ensures excellent cutting quality in 2, 3 and 4 kW.



### ROBUST DESIGN

Machine frame, gantry and all critical parts are machined by LVD to meet strict quality standards.



Lynx FL-4020



## AUTOMATIC SHUTTLE TABLES

The machine maximises uptime with an integrated shuttle table system that allows one table to be loaded/unloaded while cutting on the other table.



Lynx FL-3015



## INTEGRATED CONTROL AND DRIVE SYSTEM

The Siemens 840D sl CNC control, Siemens servo-drives and inclined rack and pinion drive system guarantee the highest precision of programmed contours even at fast processing speeds.

# HIGHLIGHTS

## CUTTING HEAD

Lynx 2 kW features a Precitec LightCutter (a) with manual focus. Lynx 3 and 4 kW are equipped with an intelligent ProCutter (b) that offers automatic focal adjustment. Both cutting heads feature a 200 mm focusing lens and crash protection.



## OPTIMAL COST PER PART

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

## INTUITIVE CONTROL

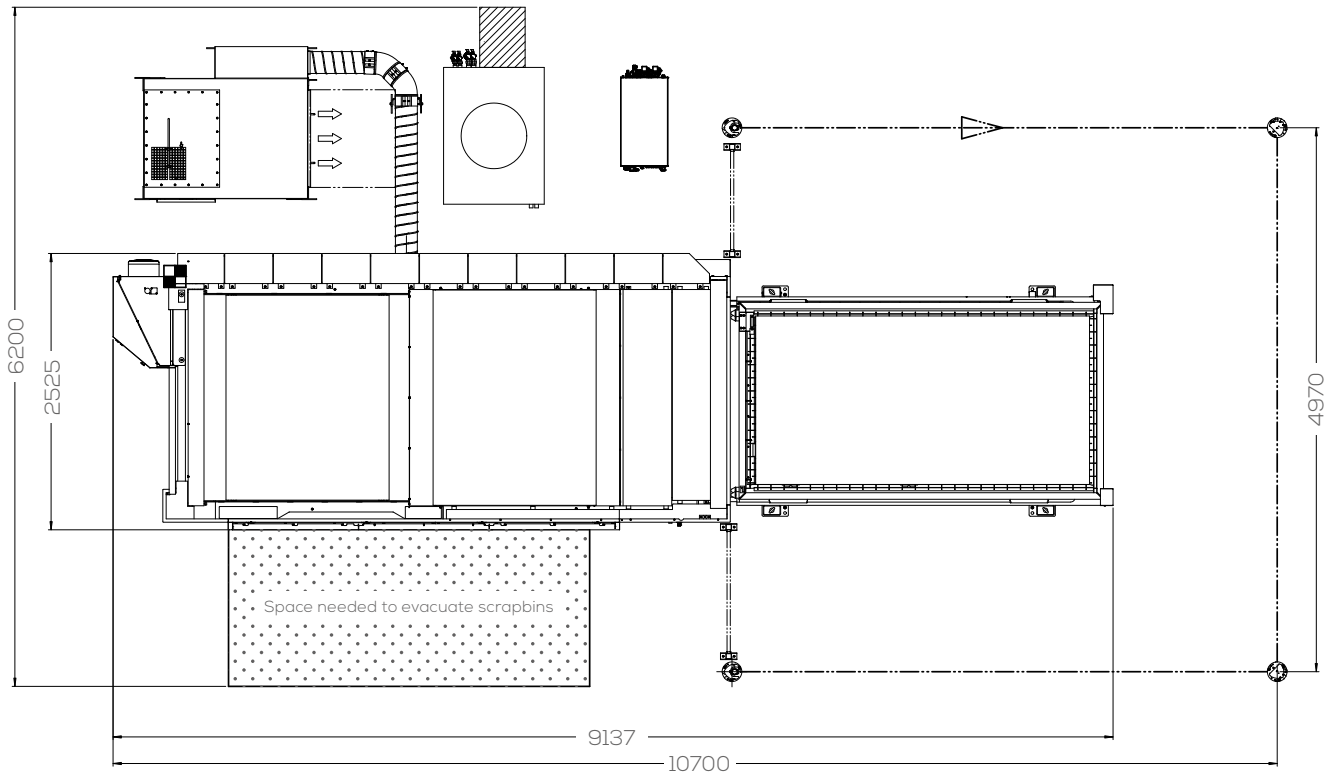
The 15" touch screen control Touch-L allows fast and uncomplicated setup and conveniently displays cutting technology and nestings. Drawings can be imported directly into the control.

## LOAD-ASSIST

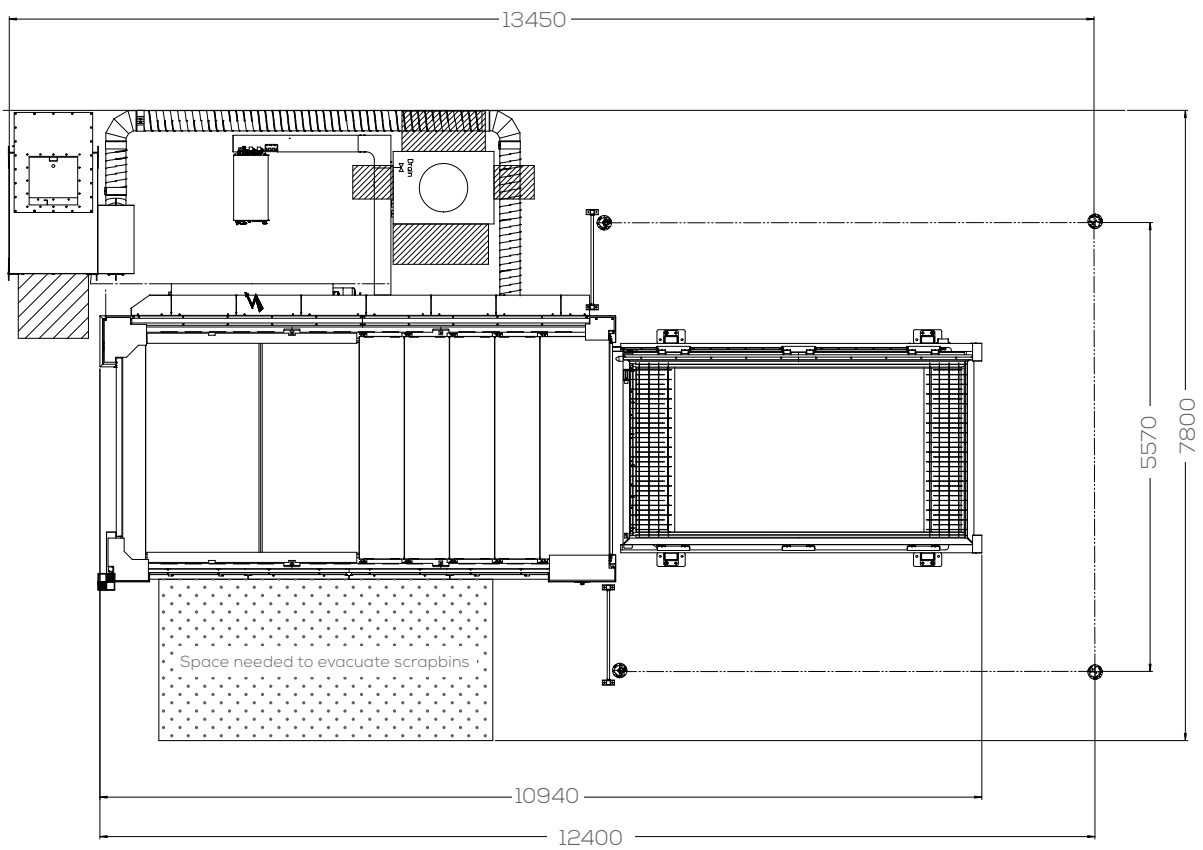
The optional Load-Assist automation transfers sheets quickly and efficiently from a stack of raw material to the machine.



## LYNX FL-3015



## LYNX FL-4020



# SPECIFICATIONS

MACHINE SPECIFICATIONS	LYNX FL-3015	LYNX FL-4020
Maximum sheet size	3050 x 1525 mm	4065 x 2035 mm
X-axis travel	3080 mm	4085 mm
Y-axis travel	1560 mm	2055 mm
Z-axis travel upper table	80 mm	95 mm
lower table	240 mm	270 mm
Maximum sheet weight on table	725 kg	1250 kg
Table changeover time	26 sec.	35 sec.
Maximum positioning speed X-Y	140 m/min	120 m/min
Repetitive accuracy	+/- 0,025 mm	+/- 0,025 mm
Positioning accuracy*	+/- 0,050 mm	+/- 0,050 mm

MACHINE DIMENSIONS (including light guards, filter and chiller)		
Length x width	10700 x 6200 mm	13450 x 7800 mm
Height	2500 mm	2750 mm
Weight	12500 kg	16000 kg

LASER SPECIFICATIONS			
Type	IPG		
Maximum cutting performance	2 kW	3 kW	4 kW
Mild steel	12 mm	15 mm	20 mm
Stainless steel	6 mm	12 mm	12 mm
Aluminium	8 mm	12 mm	15 mm
Copper	4 mm	6 mm	8 mm
Brass	4 mm	6 mm	8 mm
Cutting head	Precitec LightCutter	Precitec ProCutter	Precitec ProCutter

AUTOMATION OPTION LOAD-ASSIST		
Maximum sheet dimensions	3000 x 1500 x 25 mm	4000 x 2000 x 12.7 mm
Minimum sheet dimensions	1000 x 1000 x 1 mm	1000 x 1000 x 1 mm
Maximum sheet weight	910 kg	820 kg
Height of the system	2780 mm	2780 mm



Stainless steel



Aluminium



Copper



Steel

Specifications subject to change without prior notice.

\* Achievable workpiece accuracy depends on the type of workpiece, pre-treatment and sheet size, as well as other variables. According to VDI/DGQ 3441.

LVD Company nv, Nijverheidslaan 2, B-8560 GULLEGEM, BELGIUM

Tel. +32 56 43 05 11 - marketing@lvd.be - [www.lvdgroup.com](http://www.lvdgroup.com)

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