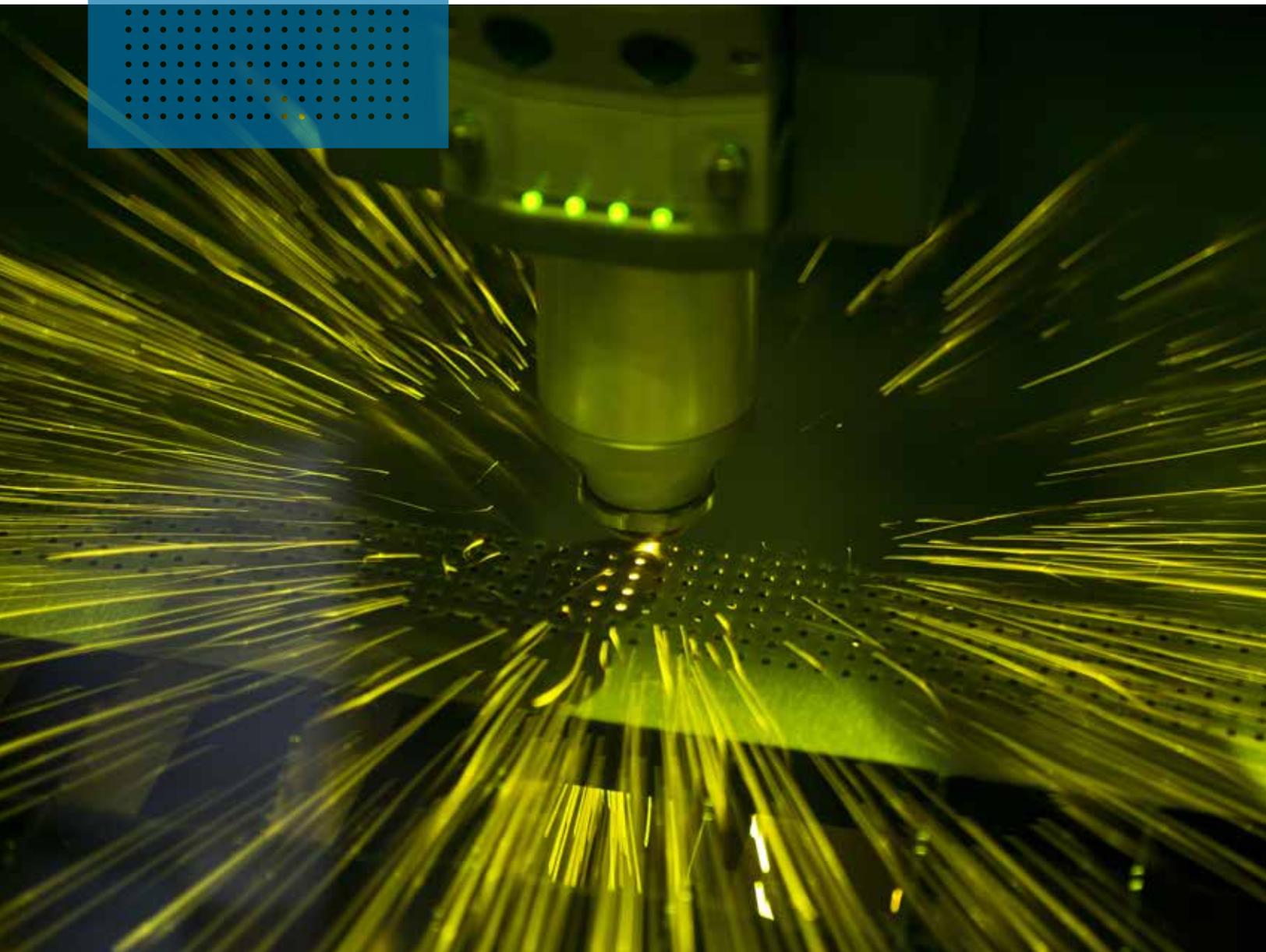
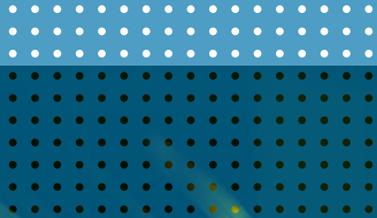


*Fiber laser  
cutting  
machine*

# 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 maximizes 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 maximizes 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 7.8" (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

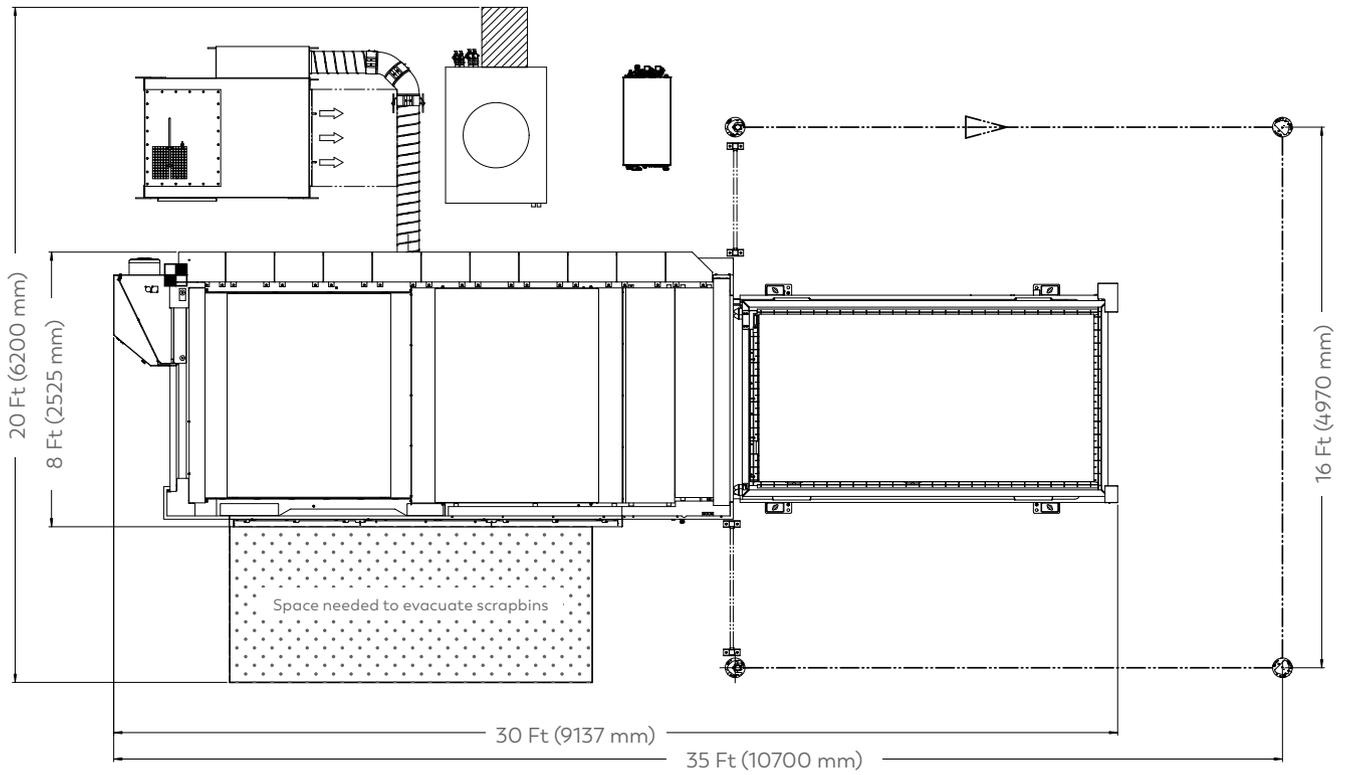
The 15" touch screen control Touch-L allows fast and uncomplicated setup and conveniently displays cutting technology and nestings. Drawings can be imported directly into the control.

## LOAD-ASSIST

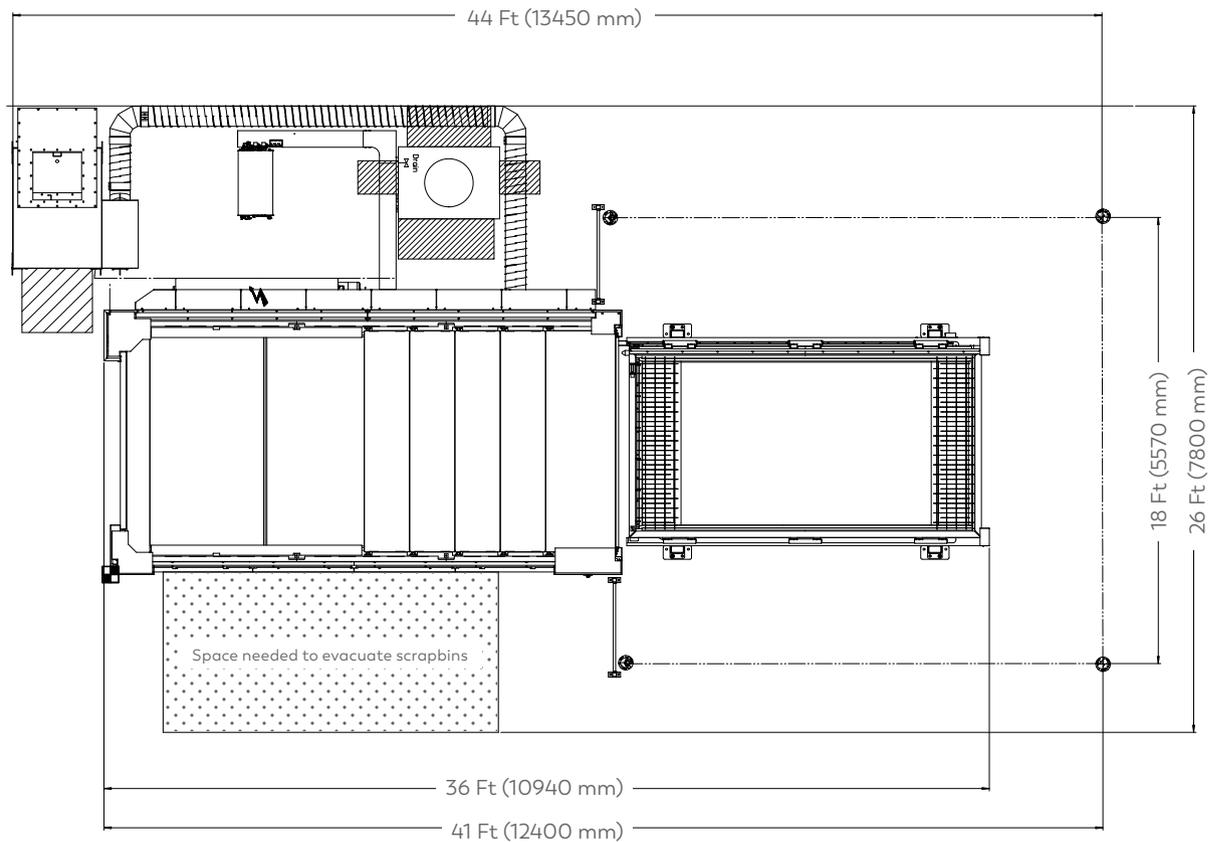
The optional Load-Assist automation transfers sheets quickly and efficiently from a stack of raw material to the machine.



## LYNX FL-3015



## LYNX FL-4020



# SPECIFICATIONS

## MACHINE SPECIFICATIONS

	LYNX FL-3015	LYNX FL-4020
Maximum sheet size	120" x 60" (3050 x 1525 mm)	160" x 80" (4065 x 2035 mm)
X-axis travel	121" (3080 mm)	160" (4085 mm)
Y-axis travel	61" (1560 mm)	90" (2055 mm)
Z-axis travel upper table	3.1" (80 mm)	3.7" (95 mm)
lower table	9.5" (240 mm)	11" (270 mm)
Maximum sheet weight on table	1,598 lbs. (725 kg)	2,756 lbs. (1250 kg)
Table changeover time	26 sec.	35 sec.
Maximum positioning speed X-Y	5,511"/min. (140 m/min)	4,725"/min. (120 m/min)
Repetitive accuracy	± 0.001" (0.025 mm)	± 0.001" (0.025 mm)
Positioning accuracy*	± 0.002" (0.050 mm)	± 0.002" (0.050 mm)

## MACHINE DIMENSIONS (including light guards, filter and chiller)

	LYNX FL-3015	LYNX FL-4020
Length x width	35 x 20 ft (10700 x 6200 mm)	44 x 26 ft (13450 x 7800 mm)
Height	8 ft (2500 mm)	9 ft (2750 mm)
Weight	27,558 lbs. (12500 kg)	35,274 lbs. (16000 kg)

## LASER SPECIFICATIONS

Type	IPG		
Maximum cutting performance	2 kW	3 kW	4 kW
Mild steel	1/2" (12 mm)	5/8" (15 mm)	3/4" (20 mm)
Stainless steel	1/4" (6 mm)	1/2" (12 mm)	1/2" (12 mm)
Aluminum	5/16" (8 mm)	1/2" (12 mm)	5/8" (15 mm)
Copper	5/32" (4 mm)	1/4" (6 mm)	5/16" (8 mm)
Brass	5/32" (4 mm)	1/4" (6 mm)	5/16" (8 mm)
Cutting head	Precitec LightCutter	Precitec ProCutter	Precitec ProCutter

## AUTOMATION OPTION LOAD-ASSIST

	LYNX FL-3015	LYNX FL-4020
Maximum sheet dimensions	120" x 60" x 1" (3000 x 1500 x 25 mm)	160" x 80" x 1/2" (4000 x 2000 x 12.7 mm)
Minimum sheet dimensions	39" x 39" x 0.039" (1000 x 1000 x 1 mm)	39" x 39" x 0.039" (1000 x 1000 x 1 mm)
Maximum sheet weight	2,006 lbs. (910 kg)	1,808 lbs. (820 kg)
Height of the system	9 ft (2780 mm)	9 ft (2780 mm)



Stainless steel



Aluminum



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.

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