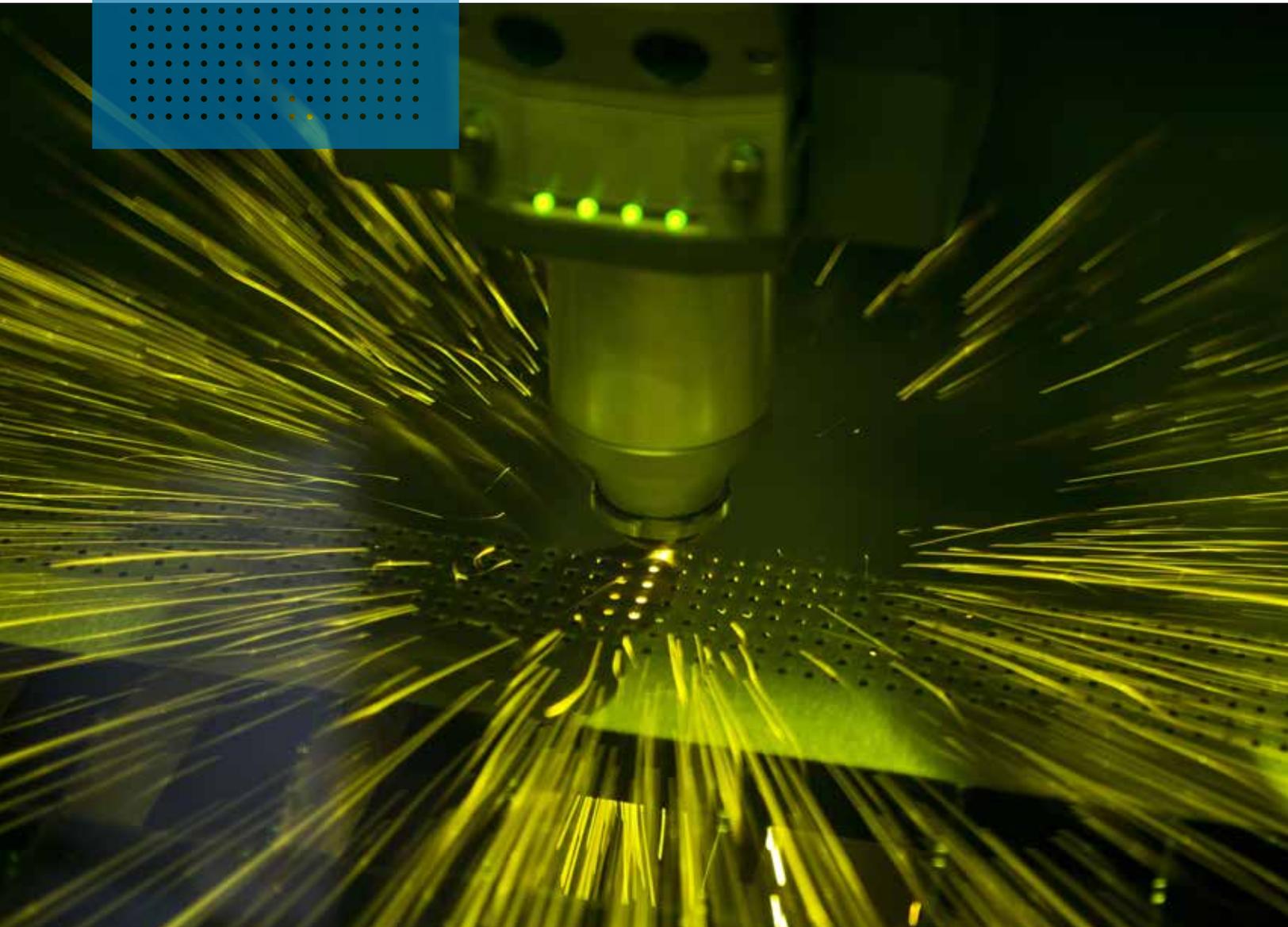


*Fiber laser
cutting machine*

LYNX FL

COST-EFFICIENT LASER PROCESSING



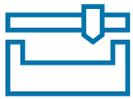
LVDGROUP.COM

 **LVD**[®]
STRIPPIT

LYNX FL

COST-EFFICIENT LASER PROCESSING

The Lynx FL combines excellent 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.

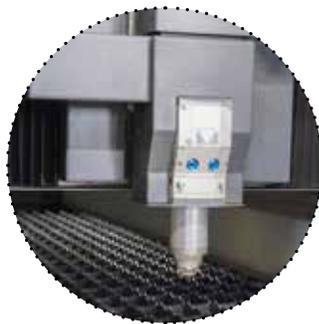


ROBUST DESIGN

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

CUTTING HEAD

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



INTUITIVE CONTROL

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



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.





Lynx FL-4020



AUTOMATIC SHUTTLE TABLES

The Lynx is equipped as standard with an automatic pallet changer. While a sheet is being processed, cut parts can be unloaded and a new sheet loaded, maximizing uptime.



LASER SOURCE

The Lynx utilizes an IPG fiber laser source. IPG Photonics is the world's leading provider of fiber laser sources. They feature compact size, long diode life and virtually maintenance-free operation.

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.



MAJOR BRAND COMPONENTS

Lynx features trusted 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

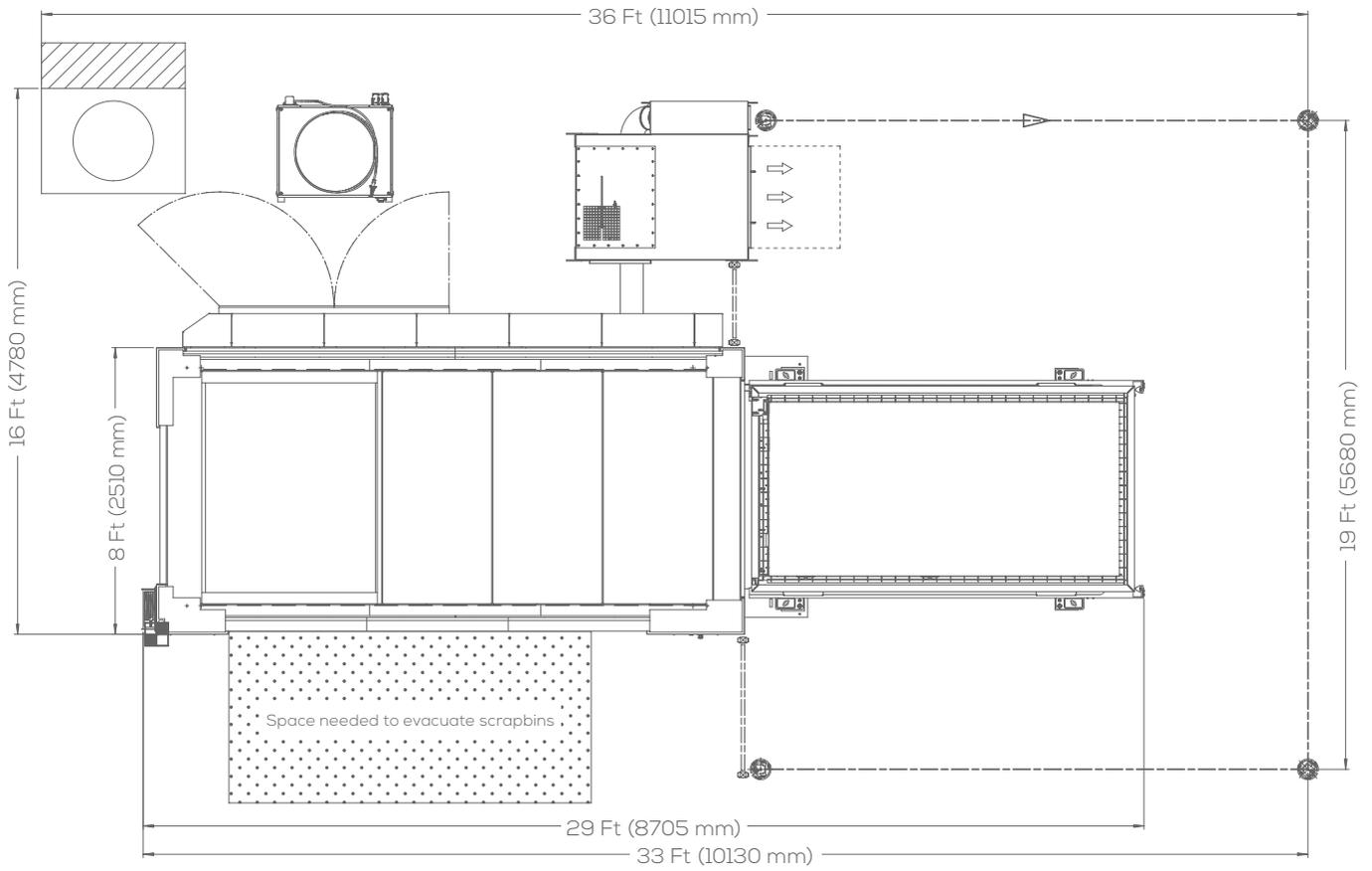
LVD has carefully balanced the technical specifications of the machine with the machine's price point to ensure optimal cost per part.



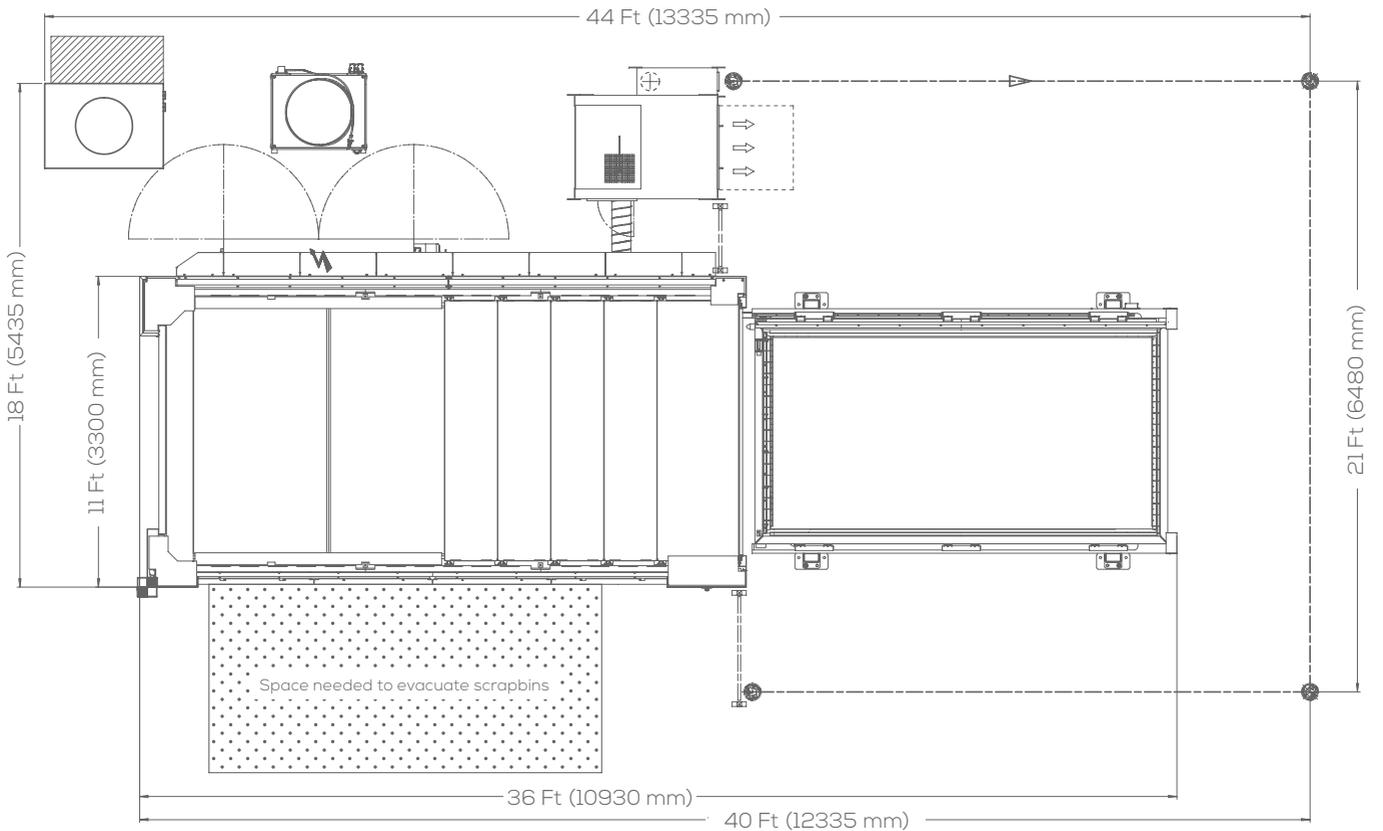
INTUITIVE CONTROL

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.

LYNX FL-3015



LYNX FL-4020



SPECIFICATIONS

LYNX FL

MACHINE SPECIFICATIONS	LYNX FL-3015	LYNX FL-4020	
Max. sheet size	120" x 60" (3050 x 1525 mm)	160" x 80" (4065 x 2035 mm)	
X-axis travel	121" (3070 mm)	160" (4085 mm)	
Y-axis travel	61" (1560 mm)	80" (2032 mm)	
Z-axis travel upper table	3.1" (80 mm)	3.7" (95 mm)	
lower table	9.5" (240 mm)	11" (270 mm)	
Max. sheet weight on table	1,653 lbs. (750 kg)	2,094 lbs. (950 kg)	
Table changeover time	26 sec.	35 sec.	
Maximum positioning speed X-Y	4,725"/min. (120 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			
Length x width	36 x 19 ft (11015 x 5680 mm)	44 x 21 ft (13335 x 6480 mm)	
Height	8 ft (2500 mm)	8 ft (2500 mm)	
Approximate weight	24,250 lbs. (11000 kg)	35,274 lbs. (16000 kg)	
LASER SPECIFICATIONS			
Type	IPG YLS		
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



Stainless steel



Aluminum



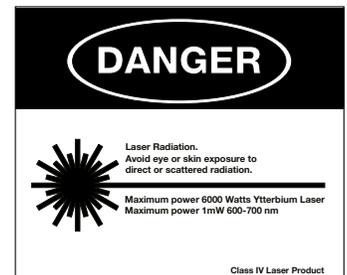
Copper



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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