

Innovative Fiber Laser Cutting Technology



2D Cutting with 3 m tube cutting



2D Cutting with pallet changer



2D Cutting with 6 m tube cutting



2D Cutting with 3 m tube cutting & pallet changer



2D Cutting with 6 m pipe & pallet changer

Prime is SLTL Group's baseline Laser Cutting Machine designed to provide best value for price in the market. SLTL Group is popular for intervening in the industry with pioneering innovations. This Laser System provides excellent cutting quality and superior productivity. It is turning out to be the favourite of fabricators.

Prime is a byproduct of SLTL Group's trademark Brahmastra Laser Cutting series. The system stands tall in reliability, efficiency and productivity. The system is designed for fabricators ready to start with the Laser Cutting Technology and expecting highest results at a low affordable price.

Specification

SPECIFICATION		Unit	Working Range 2D	
			3015	4020
Max. Working Range	X Axis	mm	1550	2100
	Y Axis	mm	3100	4100
	Z Axis	mm	300	300
Max. Workpiece Weight		Kgs	900	1650
Positioning Precision		mm	±0.05	±0.05
Repeatability		mm	±0.02	±0.02
Tube Cutting				
			3mtr	6mtr
Max. Working Range (Axis)	Xx YxZ	mm	2200x3100x300	
Maximum pipe size	Round	mm	25 to 180	
	Square	mm	25 to 150	
	Rectangular	mm	25 to 150	
Maximum job Weight		Kgs	70	140
Maximum pipe cutting Length		mm	2500	5500
4 Jaw Chuck Dia.(Feeding chuck)	size	mm	200	
	Operation	---	Manual/Auto	

Min pipe thickness 1.2 mm
Tube option available in 3015 Model

Thickness & Power Consumption

Power	700 W	1 kW	1.5 kW	2 kW	3 kW	4 kW
Power Consumption***	10 kW	12 kW	12 kW	17 kW	20 kW	30 kW
MS	8(5/16")	10(3/8")	12(1/2")	16(5/8")	20(3/4")	22(3/4")
SS(O2)	6(1/4")	6(1/4")	8(5/16")	10(3/18")	10(3/8")*	10(3/8")*
SS(N2)	3(1/18")	4(5/32")*	5(3/16")*	6(1/4")*	8(5/16")*	12(1/2")*
BRASS	NA	0.8**	3(1/8")	5(3/16")	8(5/16")	10(3/8")
Al	NA	0.5**	3(1/8")	5(3/16")	8(5/16")	8(5/16")
Cu	NA	NA	1.5(1/16")	2.5(3/32")	5(3/16")	5(3/16")

* The quality of the cut depends upon the attributes of metal, its surface properties and the conditions in which the cutting operation is done. Metals with high thickness tend to have striation at the lower edges.

** Not advisable to process.

*** The power consumption indicated in the table is been measured on the machine's peak performance. It includes the connected load of laser source, controller, fume extractor and chiller.

Features



Perfect results on light or heavy tubes
Process several shapes of tubes
Powerful Chuck for robust operations
Ergonomic design for ease of production



Optimized nesting software
Bend line and part number marking
Common cut / fly cut
High flexibility for swift material change.



Auto sheet height sensing (ASHS)
2 phase rack design
3 side accessibility
High end 64Bit CNC controller

Optional Accessories

- Class 1 Enclosure
- Pallet Changer
- Tube Cutting
- Filtered Fume Extractor
- Auto Focus Cutting Head

CE An ISO 9001: 2015 certified company

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