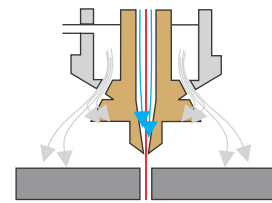
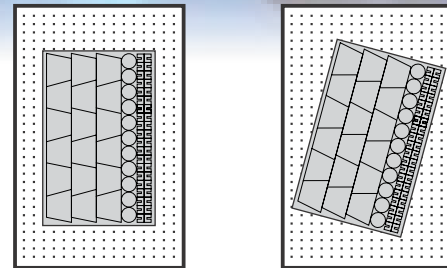


Options



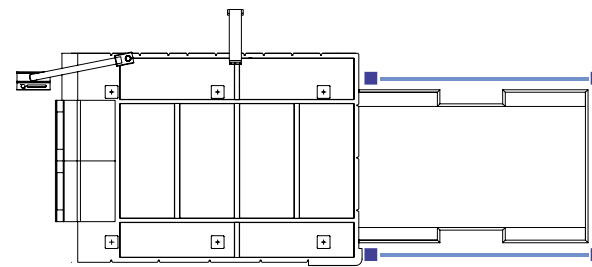
Auto sheet orientation

Automatically senses the orientation of sheet and adjusts the programme so as to minimize operator errors.



Auto cooling

Well maintained cooling of nozzle increases its life and efficiency of the system. This enables precision finish of complex profiles. It also helps in keeping the job at room temperature



Safety interlocks

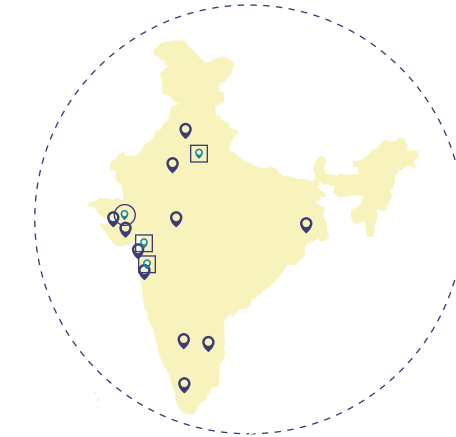
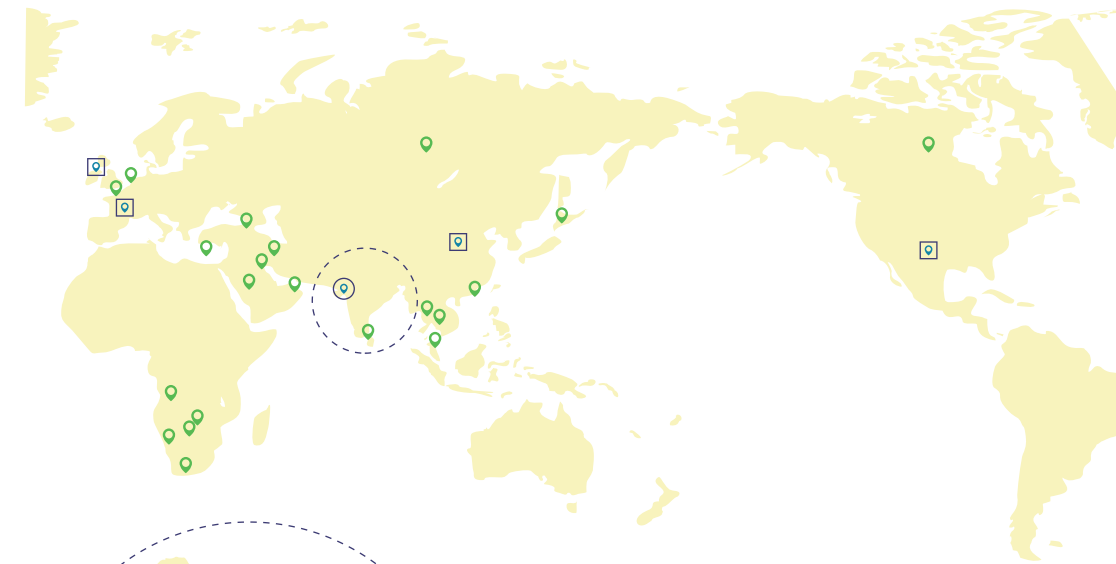
Incorporating safety mechanisms viz. Light curtain, Door Interlocks, Laser Safety Windows and others would result in optimum operator safety.

Additional Accessories

- Auto Nozzle Cleaning
- Rotary Axis for Tube Cutting
- Scrap Removal Conveyor
- Dynamic Motorized Lens Mechanism
- Touch Screen HMI
- Semi/Auto Loading - Unloading
- Hand-held Unit

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without DEC with DEC

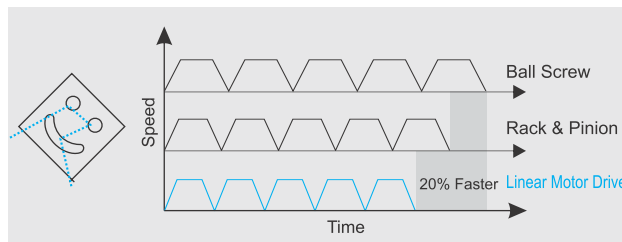
Laser Cut Surface

RA < 6.3 μ

Material	RA Value μ
MS-3	0.45
MS-5	0.61
MS-12	2.23
MS-16	3.56
AL- 2	1.61
BR- 3	1.98
SS-2	1.63
SS-3	1.95

Dynamic Edge Control

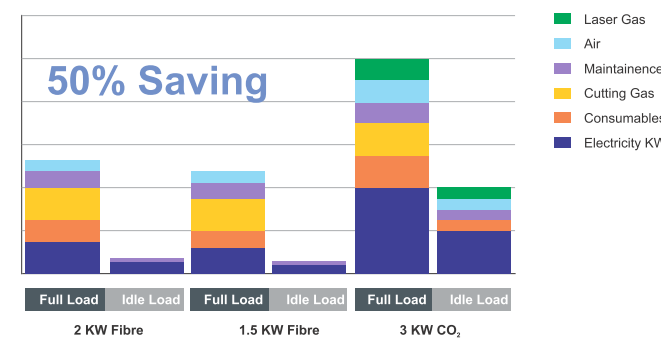
Synchronising laser power with the axis speed via dynamic edge control mechanism reduces burn and striation at the edges.



Linear Motor Drive

The Linear Motor Drive with rigid gantry structure enables 3G acceleration and thus increase productivity by saving time and rendering precision finish.

Operating Costs



Features



Cutting Head
For thick and thin sheets



Dual Pallet
Operation time < 35 Sec.

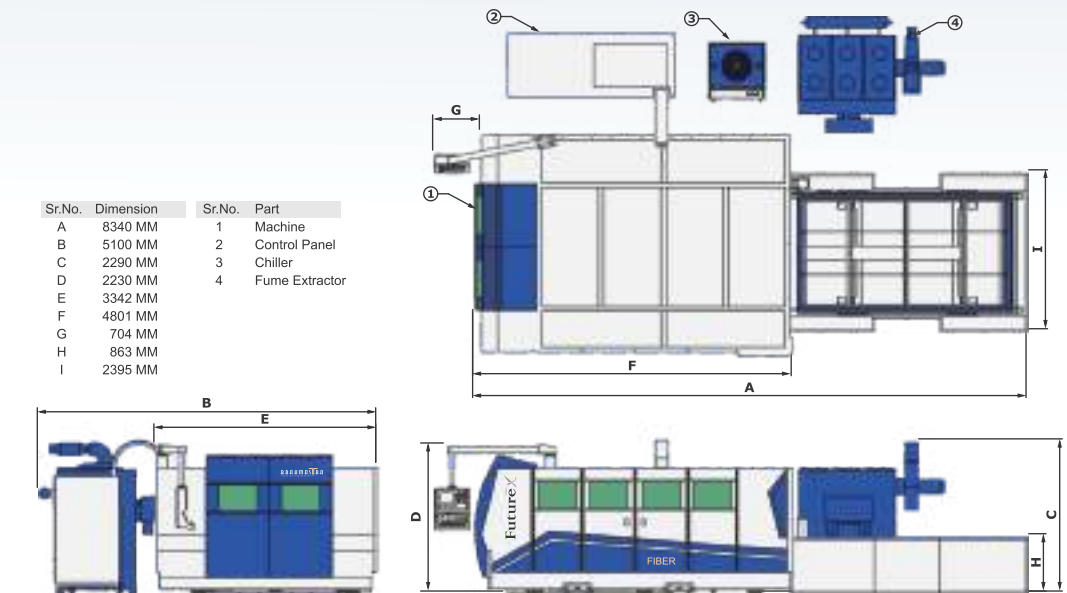


Siemens Controller
840D SL

Technical Specifications

Laser Power	3 kW	4 kW	6 kW	8 kW	10 kW
Cutting Thickness on Metals* mm (inch)					
Mild Steel	20 (3/4")	20 (3/4")	25 (1")	25 (1")	25 (1")
Stainless Steel O2	8 (5/16")	10 (3/8")	10 (3/8")	10 (3/8")	10 (3/8")
Stainless Steel N2	8 (5/16")	10 (3/8")	16 (5/8")	20 (3/4")	25 (1")
Alluminium	8 (5/16")	10 (3/8")	16 (5/8")	20 (3/4")	25 (1")
Brass	6 (7/32")	8 (5/16")	12 (1/2")	16 (5/8")	16 (5/8")
Copper	5 (5/16")	6 (7/32")	8 (5/16")	10 (3/8")	12 (1/2")
Power Consumption**	20 kw	24 Kw	32 kw	40 kw	48 kw
Woworking Area (X Y Z)	1550 * 3030 * 150 mm (60" * 120" * 6")				
Max Speed (X Y)	220 m/min (4724 ipm)*				
Position Accuracy	(-+)0.050 mm (0.002")				
Repeatability	(-+) 0.020 mm (0.001")				
Work Piece Weight	750 Kg.				

* 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.
** 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.



Sahajanand Laser Technology Ltd. reserves the right to make changes without any prior intimation or notice