



ProLaser SMART

The first step in modern laser cutting

www.proteckfusion.com

ProLaser SMART



The ideal machine to get started in heavy duty industrial laser cutting, it features:

- A small foot print despite full sheet handling capability 3 m X 1.5 m
- High productivity enhancements
- Excellent process quality and stability
- Simplicity in operation, maintenance and ownership
- Guaranteed availability of parts and maintenance for the life of the machine (> 10 years)
- The ProTrust service support package for maximum uptime and peace of mind

SMART ideas make SMART machines:

- Unique drive system— Dual Capstan Omega Loop (Patent Pend.)
- Virtually zero mechanical noise, no lubrication needed in X and Y Axis for drive system
- High performance CNC control for better contour accuracy
- Integrated CAM system will accept DXF files and will nest and cut
- High speed pallet changer for quick job turnaround and maximum machine availability
- Resonators with a variety of powers and performance offered

High peak resonators from leading international manufacturers power the laser needs of the machine. Dynamic laser control and fast piercing are enabled with this technology.



Color TFT touch monitor for ease of use. Machine controls separated from touch monitor for reliable operation. Interfaces for networking and connection to offline programming system



The assurance of quality manufacturing and long term support, with products made in India, reducing dependence and costs as compared to overseas suppliers.



Full auto focus cutting head with easy access for cleaning/changing of quartz window. Focus position from program control assists in optimum piercing and cutting conditions.

Full side covering and laser safe viewing windows of high optical density, ensure safety to the operator. Door interlocks further enhance safety. Small footprint machine can be installed in limited spaces. Fast job changes and minimum idle time contribute to high productivity and beam on time.



Compact electrical control cabinet houses industry standard components from internationally renowned manufacturers. Cabinet cooling ensures sustained operation of the machine even in high ambient temperatures.

The SMART buy with the most competitive investment plan

Specifications

Model	ProLaser SMART 20XX	ProLaser SMART 30XX
LASER POWER		
Continuous	2 Kw , 3 Kw	3 Kw , 4 Kw
Peak	4 Kw , 5 Kw	4 Kw , 5 Kw
Beam Mode	Flat-top mode	Flat-top mode
MACHINE STROKE		
X Axis (mm)	2600	3050
Y Axis (mm)	1280	1550
Z Axis (mm)	225	225
WORKING AREA		
Pallet changer	Dual shuttle	Dual Shuttle
Working size (mm)	2550 x 1250	3000 x 1500
Maximum Weight	200 kg (65 kg/sq.m)	300 kg (65 kg/sq.m)
PERFORMANCE		
Rapid traverse (m/min)	80	80
Cutting speed (m/min)	20 max.	30 max.
Acceleration (m/sec.sq)	10 max.	10 max.
CUTTING HEAD		
Focus type	Auto	Auto
Focal Length	150 mm Standard	150 mm Standard (200mm option)
DIMENSIONS		
L X B X H (mm)	6800 x 2200 x 2700	7900 x 2600 x 2700
Weight (kgs)	5500	6000

Service: The ProTrust service program aspires to offer the best service in the industry which guarantees maximum up time and fastest turn around in service. The low cost of ownership of Proteck machines is a well established fact and serves to support your profitability and business growth. We fully embrace the principle that our success depends on our customers' unlimited success and we strive to deliver the best in service and support.

Located in Chennai, India, Proteck is a 35 year old manufacturer of industrial equipment with a rich history in machine tools covering CNC lathes machining centers, complex machines, laser cutting machines, press brakes etc. With a 200,000 sq. ft facility in the Oragadam Industrial Estate, and a sophisticated manufacturing infrastructure that produces in house all the precision that is required in Proteck's high performance machines. Proteck has the largest installed capacity to produce machinery for the sheet metal and fabricating industry.



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