

# 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

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.







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



#### SMART ideas make SMART machines:

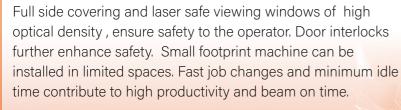
- Unique drive system— Dual Capstan Omega Loop (Patent Pend.)
- Virtually zero mechanical noise, no lubrication needed in X and Y Axis for drive system
- High performance CNC control for better contour accuracy
- Integrated CAM system will accept DXF files and will nest and cut
- High speed pallet changer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



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



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.







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              |                     |                                |
| LXBXH (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.





#### Proteck Fusion Pvt. Ltd.

Office: 15 Medvakkam Road, Sholinganallur, Chennai 600119, India Demo Center: 15 Medvakkam Road, Sholinganallur, Chennai 600119, India Factory: Plot A8, SIPCOT, Oragadam, Kancheepuram 602105, India



info@proteckfusion.com



www.proteckfusion.com