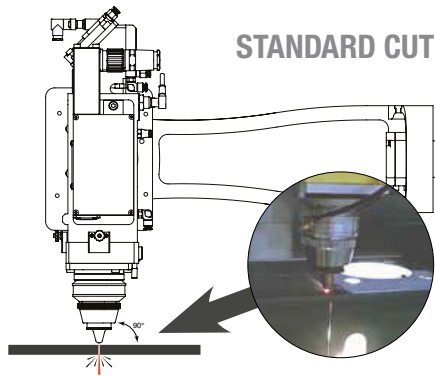


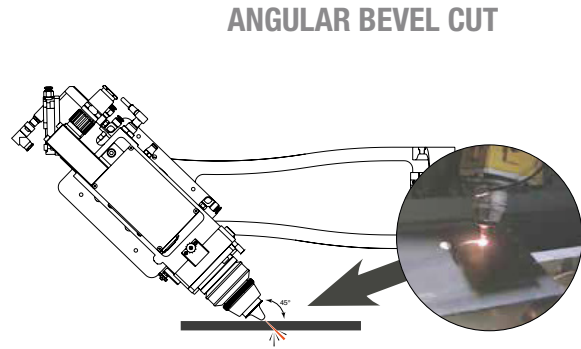
Smarttube[®] Fiber

LASER
division 

TCIcutting[®]
waterjet & laser systems



STANDARD CUT



ANGULAR BEVEL CUT



Smarttube® 2D
Fiber

3D type head, fix A,B axis



Smarttube® 3D
Fiber

3D type head, tiltable A,B axis

Bevel capacity (model 5xx)	Axis	Angle	Thickness
Model 1kW Fiber	A + B	+/- 45° ⁽¹⁾	5 mm ⁽²⁾
Model 2kW Fiber	A + B	+/- 45° ⁽¹⁾	10 mm ⁽²⁾
Model 3kW Fiber	A + B	+/- 45° ⁽¹⁾	15 mm ⁽²⁾

⁽¹⁾ Only available on Series 5xx Fiber laser, 5 axis head

⁽²⁾ Measure of the diagonal of the workable material

High performance tube laser cutting

Smarttube® Fiber

Tube laser cutting system with fiber source, able to process tubes up to ø220mm and derived opened or closed profiles.

- industrial ethernet enabled touch panel, easy to use
- hydraulic working vices with proportional valve system
- the loader can handle different types of tubes and open/closed profiles
- two belt conveyor modular unloader
- CAD/CAM integrated solution with the possibility to import external files, integrated system for drawing, optimization and nesting of tubes and profiles. System with enclosed database for technological tables for cut.

Models in Smarttube Fibra series

Smarttube 6000 Fiber

Power Output - Resonator

IPG. Power output
from 1.000 W hasta 3.000 W

Dimensions

6.000 mm x ø220 mm



Characteristics	Technical Data
Maximum permitted load	40 kg/m ²
Number of cutting heads	1 (2D o 3D)
Maximum simultaneous positioning speed	50 m/min
Maximum axial acceleration	9,8 m/s ² (1G)
Machine Tolerance	± 0.05 mm/m
Repeatability precision	± 0.03 mm/m
Power Output	De 1.000 W a 3.000 W
Supported formats	Circular, squared and rectangular
Tube dimensions	ø20 a ø220
Maximum warehouse load	100 Kg/m (600x600)
Collection of workpieces and trimmings	Included
Finished pieces extraction	Included

Especifications

- Acceleration rate: 9,8 m/s² (1G)
- Maximum simultaneous positioning speed: 50m/min
- Precision: + - 0.05 mm
- Energy efficiency: greatly reduced power consumption
- Excellent cutting quality for both fine and medium thickness sheets
- IPG Resonator. Power output from 1kW to 6kW
- Precitec Light Cutter cutting head for power output up to 2kW
- Precitec / Highyag cutting head for power output greater than 2kW
- Fully enclosed and cabined machine to ensure maximum protection for the operator
- Effective system to change from high to low gas pressure
- Capacitive Sensor, high pressure cutting head
- TCI Cutting parameter tables
- Pre-cut protective film
- Power output control function for automatic nesting and machining (corners, lead-ins)
- Automatic time and cost calculation for pieces
- Network connection via external PC
- Smoke extraction system (included for some models)
- Tube length measuring sensor
- Piercing Sensor (optional)
- Collection of workpieces and trimmings
- Dual proportional valve control system for different gas pressures and special system for high pressure cutting
- ESA CNC
- Cooling system
- Automatic focus control (included for some models)
- MultiTouch Screen
- Ultrafast Height regulation
- TCI Smart Touch 6.0
- Maximum Warehouse Load. 100Kg/m (600x600)
- Maximum load length: 6000 mm
- Minimum load length: 3000 mm
- Maximum discharge length: 3000 mm

