

Smartline[®]
CO₂

LASER
division 

TCI cutting[®]
waterjet & laser systems



Excellent cutting quality
and low production costs

Smartline[®] CO₂

Available in power output ranging from 1.000 W to 3.000 W.

This series offer high quality cutting, both for **fine materials** and **thick materials**. It is the best suited technology for high volume iron cutting in all thicknesses. It offers **high productivity** with **minimal maintenance costs**.

Models in the Smartline CO₂ Series

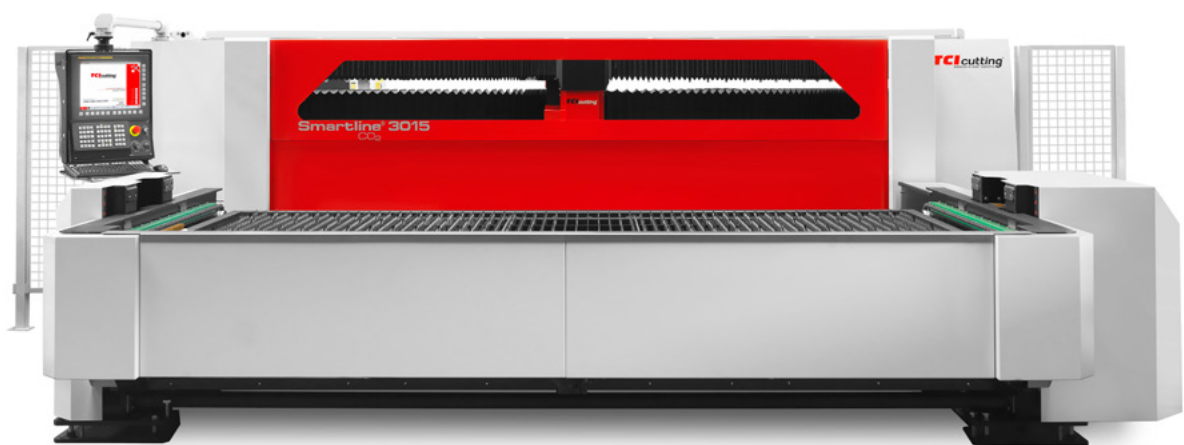
Smartline 3015 CO₂

Power Output - Resonator

Fanuc.Power output
from 1.000 W to 3.000 W

Dimensions

3.000x1.500x100 mm



Characteristics	Technical Data
Maximum permitted load	950 kg/m ²
Number of cutting heads	1
Maximum simultaneous positioning speed	160 m/min
Maximum axial acceleration	19,6 m/s ² (2G)
Machine Tolerance	± 0.05 mm/m
Repeatability precision	± 0.025 mm/m
Power Output	From 1.000 W to 3.000 W
Smoke extraction system	Included
Cooling system	Included
Automatic Table Exchanger	Optional
Automatic loader and unloader	Optional

Specifications

- Acceleration rate: 19,6 m/s² (2G)
- Maximum simultaneous positioning speed: 160m/ min
- Precision: ± 0.05 mm
- High performance with minimal maintenance costs
- Excellent cutting quality for both low and high thickness materials
- The Smartline CO₂ Series: FANUC Resonator. Power output from 1kW to 3kW. FANUC Control
- Compact design with operator protection
- Effective system to change from high to low gas pressure
- System for air drying and filtration
- Changing lenses with interchangeable cartridges of 3.75 “, 5” , 7.5 “, 10”
- Capacitive Sensor, high pressure cutting head
- The best cutting results with constant focal compensation using the adaptive mirror
- 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
- Automatic table exchanger (included for some models)
- Smoke extraction system (included for some models)
- 3 Point reference sensor (sheet rotation detection)
- Piercing sensor
- Collection of workpieces and trimmings
- Dual proportional valve control for different gas pressures with special system for high pressure cutting

