

Fiber Laser type Speedline

Best
Quality

Made in
EU
★★★



Speedline 3060

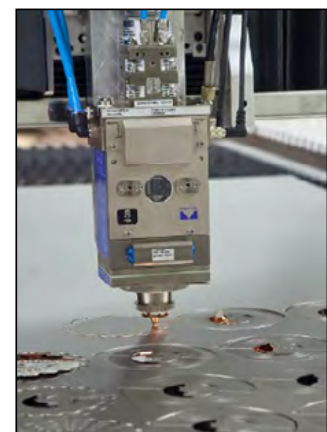
TCI Speedline Fiber Laser series consists of innovative, high-quality machines, manufactured in Spain offering high productivity and minimal maintenance costs. The series offers unmatched parts production and excellent cutting quality in accordance with the laser power for thin sheets and sheets of medium thickness.

The very energy efficient fiber laser ensures highly reduced electricity consumption. Speedline is equipped with Precitech cutting head, and it is able to cut in numerous kinds of material and thicknesses. All components are delivered from world-class manufacturers and/or are developed and manufactured by TCI.

Various kinds of accessories and components can be delivered for the Speedline Fiber Laser.

The most important features for Smartline Fiber Laser:

- Compact design.
- CNC with laser control.
- Resonator with reflecting sensors.
- Power output control function for automatic nesting and machining (corners, lead-ins).
- Extremely dynamic equipment.
- Rigidity: transmission of high speed due to the stable construction.
- Safety: Class IV systems.
- Y-axis: 1 motor / X-axis: 2 motors that run synchronously.
- Optimal operator safety in the cutting area.
- The machine is protected against vibrations.
- Easy programming with CAD/CAM software.
- Low cooling capacity due to the fibre optics.
- Reduced operational costs due to a modern motor control system with a low power consumption.



Precitech cutting head

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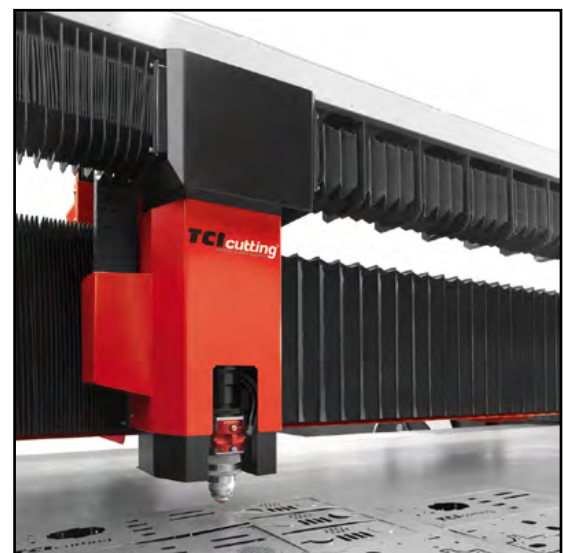
| | |
|-------------------------|-----------------------|
| Max. permitted load | 950 kg/m ² |
| Cutting heads | 1-2 pcs. |
| Max. positioning speed | 160 m/min. |
| Axial acceleration | 19,6 m/s ² |
| Acceleration | 2G |
| Max. tolerance | ± 0,05 mm/m |
| Repeatability precision | ± 0,025 mm/m |
| Power output (IPG) | 1 - 6 kW |

Optional equipment:

- Loading/unloading system
- Exhaust system
- Rofin fiber laser resonator
- Piercing sensor
- Collection of workpieces and trimmings
- Tower system 4.0
- Dual proportional valve control system for different gas pressures and special system for high-pressure cutting
- CNC Fanuc 31iLB
- Aut. nozzle cleaning
- Aut. focus control
- MultiTouch screen with remote control
- Ultra fast height regulation
- TCI Smart Touch 6.0
- TCI Fly Cutting 3.0
- TCI Fast Piercing 2.0
- TCI aut. cutting system 3.2 (aut. job list)

Standard equipment:

- Cutting table
- Cabinet (for the laser control)
- IPG fiber laser resonator
- Precitec cutting head
- TCI HMI 5.0 machine software
- CAD/CAM software, Lantek Expert Cut
- Automatic table exchanger (some models)
- Cooling system
- Exhaust system with filter
- Class IV safety system CE-approved



| Type | Watt | Cutting length | Cutting width | Cutting capacity |
|----------------|-----------|----------------|---------------|------------------|
| | W | X - mm | Y - mm | Z - mm |
| Speedline 3015 | 1000-6000 | 3000 | 1500 | 100 |
| Speedline 4020 | 1000-6000 | 4000 | 2000 | 100 |
| Speedline 6020 | 1000-6000 | 6000 | 2000 | 100 |
| Speedline 6030 | 1000-6000 | 6000 | 3000 | 100 |

Fiber Laser type Smartline & Speedline

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Controls:



CNC S650



Mach One



SmartTouch HMI V 6.0

Fiber Laser resonator:

- Smartline and Speedline have integrated IPG fiber laser source
- The fiber laser resonator is kinetically suspended
- Power: 1 - 6 kW
- Contains communication system with control unit and closed cooling circuit
- Direct control of all fiber laser functions
- General power management
- High speed perforation
- Edge processing function
- Cutting library/cutting data
- Fly-Cutting



IPG resonator



Rofin resonator