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Machine datasheet

stock no.: 1107-2841



Machine type: Laser cutting machine
Manufacturer: Bystronic
Type: Bysprint Fiber 4020 - 3kW
Serial no.:
YOM: 2013
delivery time: immediately
Location: 72479 Strassberg



technical details:

Working hours laser on:	13754 h
Working hours beam on:	5789 h
Laser power:	3000 Watt
Working range laser:	4064 x 2024 x 70 mm
Max. steel:	20 mm
Max. stainless steel:	12 mm
Max. aluminium:	12 mm
Max. copper:	6 mm
Max. brass:	6 mm
Length:	13700 mm
Width:	6670 mm
Height:	2565 mm
Machine weight:	15000 kg
Electrical connected load:	22,7 kVA

Standard configuration:

- Shuttle table system with two shuttle tables
- Cooling system
- standard dedusting system, incl. dust bag and sound insulation kit
- Air-conditioned cabinet combination with CNC ByVision control, STL PLC control, network connectivity router and uninterruptible power supply (UPS)
- closed enclosure (roof)
- Operating terminal with sensitive 15 "TFT-LCD flat screen
- CE compliant operator protection in the cutting area
- Programmable automatic switch-off, which puts the system into standby mode after a defined time

- Handheld device for easy positioning of all axes and to operate the resonator
 - Automatic technology selection ATS
 - Operator protection in the cutting area
 - A cutting head for all applications with integrated collision monitoring of the cutting head and the cutting nozzle
 - automatic and freely programmable nozzle cleaning
 - automatic non-contact sheet metal plate position detection
 - Interface to handling and automation from Bystronic
 - Tools and accessories
 - Safety devices for CE compliant operation
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Extended machine accessories:

Automation:

Description:

- Available in models 3015, 4020, 6520, 8020 and 12020. This means that sheet metal up to 12 × 2 meters in format can be processed quickly and economically
- Unparalleled high parts production and first-class cutting quality for thin to medium thick sheet metal, depending on laser power
- Additional functions (Power Cut Fiber, Cut Control Fiber, Nozzle Changer, Detection Eye) and automation options increase the application scope to a maximum
- Low operating costs since minimal energy is used and no laser gas is required
- High flexibility. Even non-ferrous metals can be processed with excellent quality