

SATO Compact Large (1125-250025)



Control type
 CNC

Construction year
 NEU

Machine no.
 1125-250025

Make
 SATO

Location
 49779 Niederlangen

- * Heavy machine bed with precision guides for quiet movement machine
- * A ball bearing cross carriage for height adjustment with 400mm vertical Hub
- * Thermal separation of the drive and cutting areas ensures the highest precision
- * Automatic height finding and torch height control during cutting
- * Torch holder with collision protection and automatic shutdown in the event of a collision
- * Installation or implementation of the machine using the plug & play method with a forklift, Ant or crane possible
- * 3-sided accessibility to cutting area through boom design

SATOTEC suction table:

The SATOTEC table system is characterized by a stable table construction max. cutting thickness of 150 mm. For cutting a workpiece thickness of 150 mm, oxyfuel cutting technology is required.

The workpiece support frame has interchangeable ones placed at a 45° angle

and 3 mm thick flat iron slats. The distance between the slats is 50 mm.

Power source Kjellberg Q1500:

- * Precise plasma cutting of all electrically conductive materials from 0.5 to 60 mm both dry and under water
- * Recommended cutting range from 0.5 to 40 mm
- * Maximum piercing thickness 30 mm, increase possible with ProPierce Technology
- * Marking, notching and punching, including coated metallic materials
- * Inverter power source with digitally controlled, fully electronic process flow
- * Integrated cooling with partially automated filling and emptying

Gas control:

Fully automatically controlled, processor-controlled plasma all-gas console Q-Gas for cutting all metals

Lantek Expert Cut Inside:

CAD/CAM module integrated in the machine control

Extraction TEKA EcoCube 5.5 kW

Medium to be filtered: dry, fat-free or oil-free dust/smoke

Filter area: 100 m² (4 cartridges of 25 m²)

Filter cartridge: BIA M, Type Nano

Degree of separation: 99% (according to BGIA test certificate)

Filter control: automatic filter cleaning, PLC

Fan performance: 4500 m³/h

Motor power: 5.5 kW

Connection voltage: 400V/50 Hz or 480V 60Hz.

Current consumption: 11.5 A

Current type: 3Ph+N+PE

Fan structure: on the system, including silencer duct bend, right side

Motor control: frequency converter

Noise level: 75dB(A) + max 10 dB(A) with cleaning pulse

Intake port: NW 250 mm via intake duct, left side

Exhaust: via silencer duct bend

Dimensions (W x D): approx. 800 x 800 mm

System color: - Fan housing: Light gray

- Cartridge housing: RAL 5007 brilliant blue

Special equipment:

- Locking hooks and toggle locks

- Compressed air connection and condensate drain each mounted with one Bulkhead fitting

- Compressed air connection with hose nozzle d=8mm

- Provide the system with grounding bolts

- Cable in UL version

- EATON frequency converter on the left in the attached control cabinet

Machine attributes

table width:	3000 mm
table length:	1500 mm
burner heads:	1
Control:	CNC
feed:	20.000 mm/min
total power requirement:	15 kVA
dimensions of the machine ca.:	4,5 x 2,5 m

Machine images



