



Laser Marking Systems
Rotary Table 400

Edition 1

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Rotary table 400



Technical Features

Laser safety housing according to laser protection class 1 integrates with the diode-pumped solid state laser system Nd:YAG DPLMagicMarker L1-163-P (725 dpi resolution / marking area 110 x 110 mm)
Electrical z-axis with stepper motor drive
External push button operator panel adjusts : z-axis "up", z-axis "down"
Backlash free z-axis adjustment with ball bearing spindle and guide (stroke = 95 mm / accuracy < 0,3 mm)
Diameter turntable: 400 mm
Maximum weight of handling per placement: 2 kg
Maximum component height 183 mm (with lens F-Theta 163)
Minimum component height 88 mm (with lens F-Theta 163)
Anodized aluminum base plate with t-grooves , size 200 x 100 mm
Integrated vacuum piping D=30 mm with conical flange to be connected to an external fume extractor
Safety-switch controls user access to set-up door
Laser protection glass D = 30 mm eliminates Nd:YAG Laser reflections of 1064 nm
Main switch for laser and laser safety housing on the rear panel
Integrated switched socket for connection of external equipment
Daisy chained energy and data cable connectors between laser safety housing and DPLMagic Marker
Wide range power supply input to connect the system to different voltage supplies
Steel housing color-coated in grey
4 rubber machine mounting pads with height adjustment
12 months warranty

The laser rotary table 400 enables to mark single workpieces in the area of the laser according to laser protection class 1. The turntable rotates through-out 180 degrees. New parts may be placed at the front side and at the same time parts may be laser-marked in the back. Release of a rotation is made by two-hand operation on release of the laser after having finished a marking process. The laser irradiation does not cause any danger neither for the operator's skin nor eyes. The laser may be adjusted by means of a stepper motor driven depth-axis from two push buttons in the external operation panel.

The laser safety cover includes integrated vacuum piping for extraction of particles and contaminants created during laser marking. Different accessories needed during the marking process may be clamped right-angled to the marking area on the base plates of the turntable.

For positioning workpieces the housing includes at one side a set-up door with integrated laser protection glass. A switched power socket for external accessories is provided at the rear panel of the housing. The laser rotary table may be connected to all different standardized voltage supplies. Cable installation between laser and laser safety housing is daisy chained and inter-locked to ensure user safety during laser operation. The cover is color-coated in grey.

Dimensions in mm

without laser L x W x H	800 x 500 x 400
Weight	
without laser	64 kg
Operation	
Operating voltage	85-240 Volt 50/60 Hz
Power consumption	max. 400 Watt
Options	
	Safety light barrier which controls access during turntable rotation
	Z-axis PC controlled
	External fume extractor with activated-carbon filter and variable suction control
	Accessories to control air flow (f.e. injectors, hose, a.s.o.)
	Loading device, f.e. prismatic or flat, clamping devices, square
	Slotted nuts
	Color coordinated to customer's requirement



Part No.	Description
5523900	Rotary table 400

Contents of delivery: Rotary table, set of cables, documentation

All specifications about delivery, design and technical data are given to the best of our current knowledge and are subject to change without prior notice.

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