



# Laser Safety Housing LSG 100 with Rotary Table RTM 650

# Laser Safety Housing LSG 100 FL



## with Rotary Table RTM 650



The Laser Safety Housing LSG 100 is the industrial solution for marking serial parts with the FL10/20. The solid steel panel construction provides, besides a big work station, enough space for the fitting of the laser-beam source and the industrial PC in 19" mounting rack. Keyboard and monitor are ergonomically assembled to the rotary arm.

Two holding fixtures for single or more workpieces can be assembled to the rotary table. The set-up door which also serves as the centre wall is opened pneumatically. The 180° rotation is activated via two-lever operation.

### Technical data

#### Safety housing with RTM 650

F-Theta lens	100	160	254
Marking area mm	60 x 60	112 x 112	180 x 180
Max. workpiece height mm	360	300	150
Height level of marking area mm	0 - 360	0 - 300	0 - 150
Mounting plate	semi circle Ø 650 mm with hole pattern		
Workpiece height max. kg	20		
Accuracy of circuit	± 0,1 at diameter 600 mm		
Rotating clock cycle	2,5 sec. / 180° rotation, incl. door cycle		
Laser safety glass mm	200 x 100		
Z-axis total stroke mm	500		
Focusing equipment	Laserpointer		
Fume extractor gap	DN 50		
Dome light	Energy saving lamp, 11 W		
Set-up door	Pneumatic actuation		
Assembly	Machine base Ø 80 mm		
19" mounting rack 4 HE	for control of FL, industrial PC		
Keyboard	with integrated track ball		
Rotary arm for monitor	TFT 17"		
Control	Siemens S7		
External Dim. L x W x H mm	1280 x 1000 x 2280		
Housing / Color	Steel plate / RAL 7035		
Weight kg	430		

#### Operation panel LSG 100

LED-notices	Power on	Laser ready for op.
	Emission	Marking in process
	System error	Door closed
Push button on/off lighted	Maschine	Laserpointer
	Air	Extraction
	Light	
Push button	Closing door / Start	
Push button	Opening door	
Push button up - down left - right	Z-axis	
	Rotating axis	
Interruptor	Emergency stop	
Key switch	Manual or automatic operation	

#### Operation RTM 650

Two-lever operation	Start
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#### Interfaces

PC-Connection / RS232	Axes
Laser interface for	FL10/20

#### Operating data

Power supply	100-240 VAC - 50/60 Hz
Connected load	120 Volt / 50/60 Hz / 15A
	230 Volt / 50/60 Hz / 16A
Operating temperature	10 - 35°C
Humidity	30 - 85% not condensing
Laser safety glass	Class 1
Approvals	CE

### Delivery program

Part No.	Hardware
<b>5526012.720</b>	Laser Safety Housing LSG 100 FL-230-S7-RTM650
<b>5526013.720</b>	Laser Safety Housing LSG 100 FL-120-S7-RTM650
<b>Contents of delivery:</b>	Operation manual
	Packaging
	Connecting cable fume extraction, length 5 m

#### Part No. Accessories

<b>5906614</b>	Fume extractor with exhaust ventilation system AF1, 220V
<b>5525994</b>	Guide rollers set
on request	Air conditioning unit
on request	Workpiece carrier

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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