



Label Marker

Technical Data and Delivery Program



The cab laser label marker enables the user to “die-cut” and mark both very small and large labels directly from unconverted label stock. Laser-reactive or two-layer (bi-color) acrylic label stock with a width of up to 120 mm is easily cut and marked.

Laser markable materials are resistant to physical abrasion, chemical attack and outdoor environmental exposure to temperatures up to 300°C.

The label marker marks labels permanently by stripping off the upper color layer or by changing the properties of a laser reactive coating in the material. Particles and contaminants are extracted through the integrated vacuum air flow system.

A resolution of up to 1000 dpi enables the label marker to print exceptionally small fonts, two-dimensional barcodes and graphics.

The additional label cutting capability enables to die-cut any size required directly on the roll which ensures an enormous saving on tooling costs and stock holding for different dimensions.

Transport of the label material is guaranteed by a precision stepper motor drive system. The marking laser is connected to the label marker by an interface.

Access and control is done by a PC. After the marking process the labels can be unwinded or cutted.

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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.

		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Option	
		LM1	LM2
For lens size F-Theta		160	254
Marking area	width up to mm	110	120
	height up to mm	110	180
Material			
Continuous or die cutted labels			<input checked="" type="checkbox"/>
Width up to mm			120
Thickness up to mm			0,3
Grammage up to gr/m ²			300
Label Re- and Unwinder			
Outer diameter up to mm			300
Core diameter mm			76
Winding direction			face inside or outside
Speed			
Feed forward mm/s			200
Feed backward mm/s			200
Step resolution mm			0,167
Sensors			
End of material			<input checked="" type="checkbox"/>
Material in marking position			<input checked="" type="checkbox"/>
Interfaces			
PC: Seriell RS 232 C 9.600 Baud/8 Bit			<input checked="" type="checkbox"/>
USB Slave			<input checked="" type="checkbox"/>
Laser Control Interface			<input checked="" type="checkbox"/>
Fume extractor relay contact			<input checked="" type="checkbox"/>
Control			
End of Material			<input checked="" type="checkbox"/>
Pinch roller closed			<input checked="" type="checkbox"/>
Security check	safety housing (Chamber)		<input checked="" type="checkbox"/>
	Emergency Stop (Interlock)		<input checked="" type="checkbox"/>
Operating Elements			
Switch	power On/Off		<input checked="" type="checkbox"/>
	continuous material/labels		<input checked="" type="checkbox"/>
	automatic/manual mode		<input checked="" type="checkbox"/>
Push Buttons	material feed		<input checked="" type="checkbox"/>
	cutting		<input checked="" type="checkbox"/>
	Emergency Stop		<input checked="" type="checkbox"/>
Connections			
Main power inlet			<input checked="" type="checkbox"/>
Power outlet	marking laser		<input checked="" type="checkbox"/>
	external rewinder		<input checked="" type="checkbox"/>
Fume extractor pipe connection ø mm			50
Cutter			
Material grammage up to gr/m ²			300
Material height from mm			2
Dimensions			
Height mm		340	550
Width mm			300
Length mm			800
Weight kg			22
Operation			
Operating voltage		100 - 240 V ~ 50/60 Hz, PFC	
Power consumption		max. 100 W	
Operating temperature		10 - 40° C	
Humidity not condensing		30 - 85%	
Safety requirements acc. to		CE, FCC, CB	
Periphery			
Cutter			<input checked="" type="checkbox"/>
External rewinder, roll diameter up to ø 300 mm			<input type="checkbox"/>
Accessories			
Fume extractor with activated carbon filter 110V/220V, 50 Hz			<input type="checkbox"/>
Connecting hose to fume extractor			<input type="checkbox"/>
Power cable serial/9-pole, 1,8 m			<input type="checkbox"/>
Software Control			
Label transport / label cutting / monitoring			<input checked="" type="checkbox"/>