

LIFT *Boy*100



Distinguishing Characteristics

- Allows for permanent and abrasion-resistant marking on most materials
- Short laser adjustment times
- Electrical height adjustment by hand control unit

Technical Data

LIFT*Boy*100

Laser

Laser marking system	Optional DPL <i>Magic</i> Marker (5 W, TEM ₀₀) or DPL <i>Genesis</i> Marker (8 W, TEM ₀₀) or DPL <i>Nexus</i> Marker (12 W, TEM ₀₀) Diode-pumped, active quality-switched solid state laser (Nd:YAG)
Wave length	1064 nm
Laser protection class	LSK 4
Pilot laser	650 nm, 1 mW

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Motor-driven Z-axis	Linear axis driven by stepper motor Recirculating ball screw and Recirculating ball slides
Travel	100 mm, 300 mm optional
Operation	Optional by hand control unit (up/down – pushbutton) or via RS232

Focus-Finder-Function

2 pilot laser diodes	position adjustable
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Interfaces

PC-Interfaces laser	USB 2.0
PC-Interfaces	Height adjustment, RS232C
Control panel	Functions up/down
Power supply	Standard appliance outlet

System Requirements

IBM-compatible PC, Pentium 4, >2 GHz	
Main memory	512 MB
Operating systems	WINDOWS 2000/XP
Storage device	Hard disk, CD-ROM drive
PC interfaces	2 x USB 2.0, 1 x RS 232C

Power Supply and Consumption

85 - 260 VAC / 16A / 50-60 Hz	
Power consumption (typical)	50 W
Cooling, laser	Only air-cooled, no water supply required

Operating Conditions

Operating temperature	15 °C - 35 °C
Humidity (relative)	30% - 85%, non- condensing

Weight without laser

12 kg

Dimensions (L x W x H)

275 mm x 180 mm x 220 mm

Technical Description

The LIFT*Boy* 100 represents a practical solution to compensate for differing heights among work pieces. The electrically-driven z-axis offers a travel distance of 100 mm. To adjust the height, it's possible to use either a hand control unit or the marking software included with delivery. On demand, the Lift*Boy* 100 can be equipped with the new "Focus-Finder-Function," which allows for effortless adjustment of focus points through use of two pilot lasers. If production needs commonly necessitate switching between work pieces of varied size, this feature could save valuable time. The LIFT*Boy* 100 can be used as a stand-alone workstation or as an integrated component in production lines.