TECHNICAL DATA

ACI Laser-Components

Product: **Workstation** *PROFESSIONAL*

Laser marking system (optional)	**Business** *CO2*:	**CO** *Two* **Marker**	
	Economy *Diode*:	**DPL** *Smart* **Marker**	
	Business *Diode*:	**DPL** *Magic/Genesis/Nexus* **Marker**	
		DPL *Fortis* **Marker**	
		DPL *Nobilis/Lexis* **Marker**	
	Economy/Business *Fibre*:	**DFL** *Ventus* **Marker**	
Usable mounting area of the T-slot plate W x D	600 mm x 600 mm		
Max. component heights and marking fields	When using the Y axis option, reduce the maximum component heights by about 20 mm.		

Laser group	Objective	Max. component height	Marking field
Business *CO2*	CO2 Marker 100	570 mm	50 mm x 50 mm
	CO2 Marker 150	518 mm	90 mm x 90 mm
	CO2 Marker 250	410 mm	150 mm x 150 mm
Economy *Diode*/ **Business** *Diode IR*	F-Theta 100	522 mm	60 mm x 60 mm
	F-Theta 163	440 mm	110 mm x 110 mm
	F-Theta 254	276 mm	180 mm x 180 mm
Business *Diode GN*	F-Theta 160	450 mm	100 mm x 100 mm
Business *Diode UV*	F-Theta 162	412 mm	95 mm x 95 mm
Economy/Business *Fibre*	F-Theta 100	520 mm	60 mm x 60 mm
	F-Theta 163	460 mm	110 mm x 110 mm
	F-Theta 254	333 mm	180 mm x 180 mm

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Maximum working areas	Laser group	Objective	Max. working area
	Business *CO2*	CO2 Marker 100	450 mm x 50 mm
		CO2 Marker 150	490 mm x 90 mm
		CO2 Marker 250	550 mm x 150 mm
	Economy *Diode*/ **Business** *Diode IR*	F-Theta 100	460 mm x 60 mm
		F-Theta 163	510 mm x 110 mm
		F-Theta 254	580 mm x 180 mm
	Business *Diode GN*	F-Theta 160	500 mm x 100 mm
	Business *Diode UV*	F-Theta 162	495 mm x 95 mm
	Economy/Business *Fibre*	F-Theta 100	460 mm x 60 mm
		F-Theta 163	510 mm x 110 mm
		F-Theta 254	580 mm x 180 mm
Maximum working areas with optional Y axis	Laser group	Objective	Max. working area
	Business *CO2*	CO2 Marker 100	450 mm x 290 mm
		CO2 Marker 150	490 mm x 330 mm
		CO2 Marker 250	550 mm x 375 mm
	Economy *Diode*/ **Business** *Diode IR*	F-Theta 100	460 mm x 300 mm
		F-Theta 163	510 mm x 350 mm
		F-Theta 254	580 mm x 390 mm
	Business *Diode GN*	F-Theta 160	500 mm x 340 mm
	Business *Diode UV*	F-Theta 162	495 mm x 335 mm
	Economy/Business *Fibre*	F-Theta 100	460 mm x 300 mm
		F-Theta 163	510 mm x 350 mm
		F-Theta 254	580 mm x 390 mm
X stroke length	Motorised X axis: Linear axis with stepper motor drive Stroke length: 400 mm		
Adjusting the height with the focus finder function	Motorized Z axis: linear axis with stepper motor drive Stroke length: 440 mm Operation: integrated membrane keyboard/operating software Focus finder: 2 pilot laser diodes		
Positioning and repetition accuracy	X and Y axis: < ± 0.075 mm Z axis: < ± 0.15 mm		
Safety door	automatically movable		
Dimensions of the laser protection screen W x H	450 mm x 300 mm		
Specification of the laser protection screen	CO2 laser: 10600 nm DI LB 4 (DIN EN 207) Nd:YAG laser: 1064 nm D AB6 IR AB7 (DIN EN 12254) Nd:YVO4 laser: 532 nm/355 nm 180 - 535 OD 5+ (DIN EN 12254) Yb:fibre laser: 1040 - 1100 nm D AB6 IR AB6 (DIN EN 12254) >1100 - 1185 nm D AB6 IR AB6 (DIN EN 12254) >1185 - 1215 nm D AB5 IR AB5 (DIN EN 12254)		
Lighting	integrated workroom lighting		

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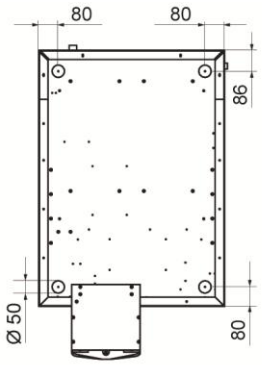
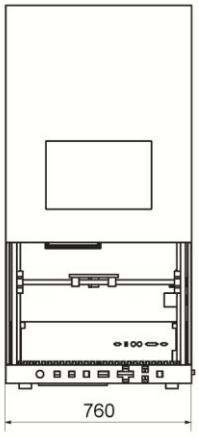
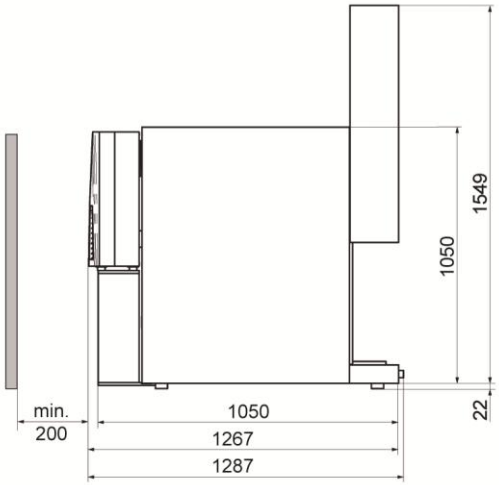
Extraction	connection for external extraction unit is ready
Cooling	Integrated industrial air-conditioning of the workroom (without fiber laser)
Operation	integrated membrane keyboard/operating software
Laser protection class	1
Power supply	230 V/8 A/50 Hz, 110 V/16 A/60 Hz
Power consumption (typical)	max. 400 W plus laser marking device (max. 600 W) and air conditioner (max. 600 W)
External backup fuse required	230 V: 8 A, 110 V: 16 A
Interface	USB 2.0
Operating temperature, air humidity	15°C - 35°C, 30% - 85%, non-condensing
Weight	125 kg (without laser marking device and air conditioner) 145 kg with Y-table (without laser marking device and air conditioner)
Dimensions L x W x H	max. 1278 mm x 760 mm x 1072 mm







Variant for laser marking devices
Business *CO2* and **Economy/Business** *Diode*

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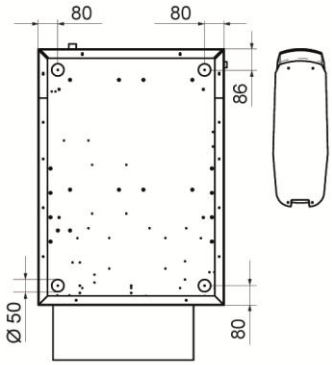

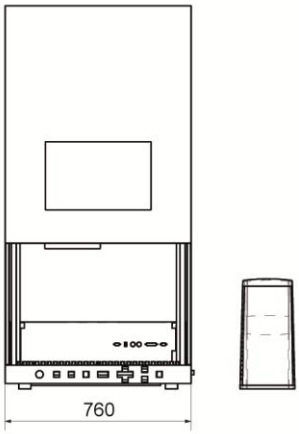

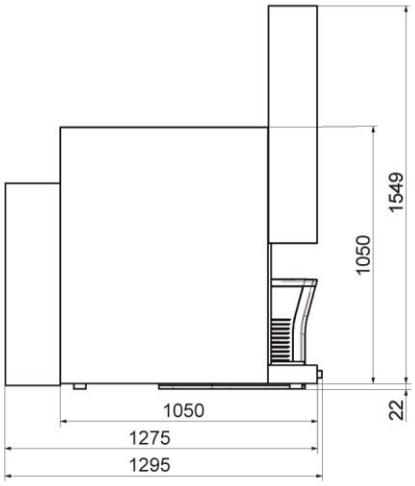

Variant for laser marking devices
Economy/Business *Fibre*

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