

# DSL I Technical Specifications

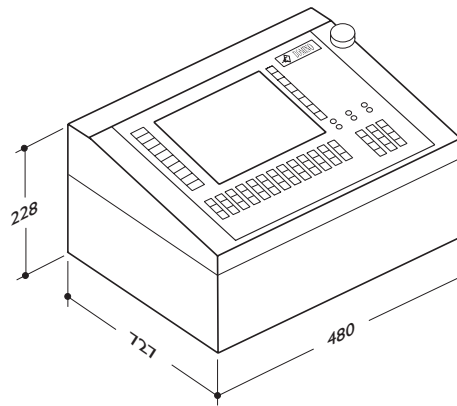
DSL I Models	10-40	10-60	10-120	25-40	25-60	25-120
<b>Laser Power</b>	10W			25W		
<b>Laser Type</b>	Sealed CO <sub>2</sub> Laser, 30,000 hrs. MTBF					
<b>Marking Features</b>						
Number of lines	As many lines as desired					
Code Types	Logos, bar codes, 2D codes, graphics, text in 26 selected fonts Automatic serial numbering, batch coding and real time clocks					
Characters per second	800*	400*	150*	1500*	1000*	350*
Product Line Speed	198m/min.* 650ft/min.*	140m/min.* 460ft/min.*	45m/min.* 148ft/min.*	396m/min.* 1300ft/min.*	305m/min.* 1000ft/min.*	100m/min.* 328ft/min.*
Character Height	0.8 – 40mm (0.03 – 1.58in)	0.5 – 120mm (0.02 – 4.72in)	0.3 – 180mm (0.01 – 7.09in)	0.8 – 40mm (0.03 – 1.58in)	0.5 – 120mm (0.02 – 4.72in)	0.3 – 180mm (0.01 – 7.09in)
Marking Field	40 x 40 mm (1.58 x 1.58 in)	60 x 60 mm (2.36x2.36 in) <i>120x120mm option (4.72x4.72 in)</i>	120 x 120 mm (4.72x4.72 in) <i>180x180mm option (7.09x7.09 in)</i>	40 x 40 mm (1.58 x 1.58 in)	60 x 60 mm (2.36x2.36 in) <i>120x120mm option (4.72x4.72 in)</i>	120 x 120 mm (4.72x4.72 in) <i>180x180mm option (7.09x7.09 in)</i>
Focal Length	105mm (4.13in)	100mm (3.93in) <i>208mm option</i>	208mm (8.19in) <i>300mm option</i>	105mm (4.13in)	100mm (3.93in) <i>208mm option</i>	208mm (8.19in) <i>300mm option</i>
<b>Laser Head</b>						
Dimensions (LxHxW)	727x181x141mm (28.6x7.1x5.8 in)	727x181x141mm (28.6x7.1x5.8 in)	727x181x141mm (28.6x7.1x5.8 in)	1109x181x141mm (43.7x7.1x5.8 in)	1110x181x141mm (43.7x7.1x5.8 in)	1110x181x141mm (43.7x7.1x5.8 in)
Weight	21kg (46 lbs)	21kg (46 lbs)	24kg (53 lbs)	26kg (57 lbs)	27kg (60 lbs)	30kg (66 lbs)
<b>Controller</b>						
Dimensions (LxHxW)	380x228x480 mm (15 x 9 x 18.9 in)					
Weight	32 kg (70 lbs)					
<b>Power Requirements</b>	400VA typical			600VA typical		
<b>Conduit Length</b>	5m (16.4ft) standard, 9m (29.5ft) optional					
<b>Inputs &amp; Outputs</b>						
Product Detect Inputs	NPN /PNP /24V – Sensor					
Product Speed Detect	Shaft Encoder					
Signal Outputs	Alarm, Ready Signal, Fume Extractor Control					
Interfaces	3.5" Floppy Drive, RS232 /RS485, Ethernet					
<b>User Interface</b>	Full sized integral keyboard and colour display, 640 x 480 resolution WYSIWYG entry, Control language in English, German, French					
<b>Operating Software</b>	Microsoft Windows®					
<b>Construction</b>						
Laser Head	Stainless Steel & Aluminium					
Controller	Stainless Steel					
<b>Environment</b>	Designed to IP54. Air cooled					
Operating temperature	15° to 38° C (60° to 100° F)					
Humidity	Max. 90% RH, non condensing					
<b>Installation/ Orientation</b>	Any					
<b>Options:</b>	Axial Beam Output					

\*Characters per second and production line speeds are substrate and code dependent

## Dimensions

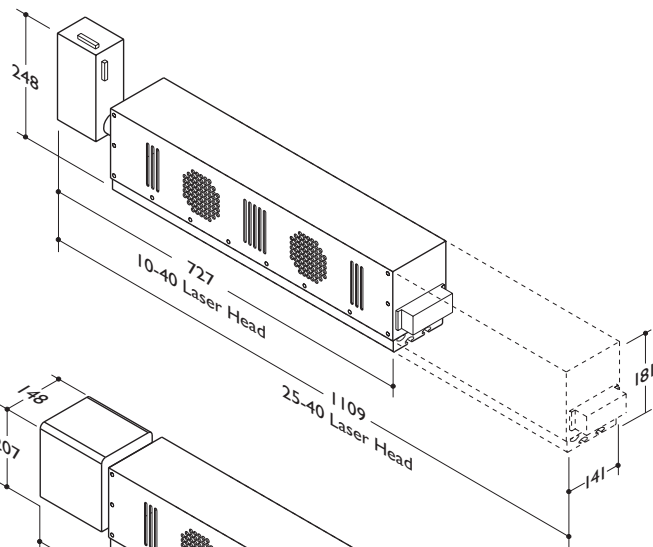
All dimensions in millimetres

### DSL I Controller



### Laser Head

Models  
10-40, 25-40



### Laser Head

Models  
10-60, 10-120,  
25-60, 25-120

