The Domino DSL1

A range of industrial scribing lasers designed to provide permanent, cost effective, superior quality codes at high production speeds.

The robust, easy to use DSL1, is ideal for marking on paper, cartons, plastics and glass in the food, beverage, pharmaceutical and personal care markets.

Reliability in production environments

The IP54 designed DSL1 is built to deliver reliable performance in demanding production environments. Proven sealed CO_2 laser technology requires no consumables, and minimum maintenance.

High quality codes at high speeds

Unique scanning technology provides consistent, letter quality codes on stationary products and at packaging line speeds up to 396 m/min (1300 ft/min).
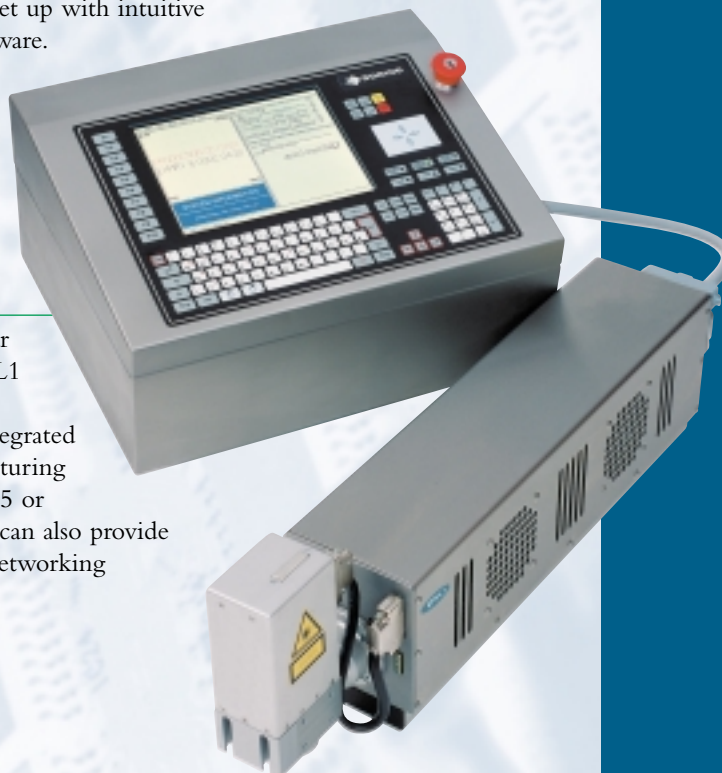
Versatile coding

The DSL1 can mark serial numbers, batch codes, bar codes, 2D codes, logos and graphics with a choice of laser powers dependent on your application. There is flexibility to print an unlimited number of lines of text in any orientation, in a wide range of fonts from 0.5mm to 180mm high.

Simple to use

Codes are simple to set up with intuitive Windows® based software. A full sized keyboard and large colour WYSIWYG display ensure accurate set up and printing of messages.

Easy to integrate

The compact modular design allows the DSL1 to be installed in any orientation. Easily integrated into existing manufacturing systems, a RS232 /485 or Ethernet connection can also provide remote control and networking capabilities.

Mark permanent codes directly onto many materials.

Superior quality coding complements your products...

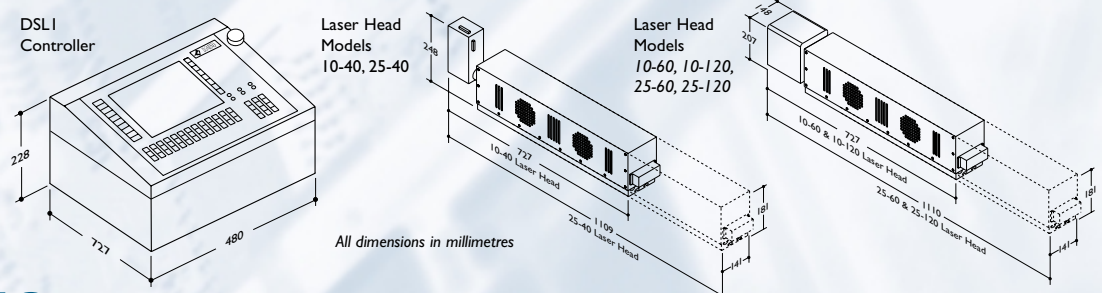...keeps pace with your line speeds...

...and is reliable!

DOMINO

The Domino **DSL1**

DSL1 Models	10-40	10-60	10-120	25-40	25-60	25-120
Laser Power	10W			25W		
Laser Type	Sealed CO_2 Laser, 30,000 hrs. MTBF					
Marking Features						
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)
Focal Length	105mm (4.13in)	100mm (3.93in) *208mm option*	208mm (8.19in) *300mm option*	105mm (4.13in)	100mm (3.93in) *208mm option*	208mm (8.19in) *300mm option*
Laser Head						
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)
Controller						
Dimensions (LxHxW)	380x228x480 mm (15 x 9 x 18.9 in)					
Weight	32 kg (70 lbs)					
Power Requirements	400VA typical			600VA typical		
Conduit Length	5m (16.4ft) standard, 9m (29.5ft) optional					
Inputs & Outputs						
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					
User Interface	Full sized integral keyboard and colour display, 640 x 480 resolution WYSIWYG entry, control language in English, German, French					
Operating System	Microsoft Windows®					
Construction						
Laser Head	Stainless steel & aluminium					
Controller	Stainless steel					
Environment	Designed to IP54. air cooled					
Operating temperature	15° to 38° C (60° to 100° F)					
Humidity	Max. 90% RH, non condensing					
Options:	Axial beam output					

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

Dimensions

DSL1 Controller

Laser Head Models 10-40, 25-40

Laser Head Models 10-60, 10-120, 25-60, 25-120

All dimensions in millimetres

DANGER
INVISIBLE LASER RADIATION – AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION
MAX. OUTPUT: 75 WATTS
DURATION: CONTINUOUS
LASER MEDIUM: CO_2
CLASS IV LASER PRODUCT