The Domino S300

Extremely compact scribing laser designed for high speed coding on a wide range of surfaces including PET, glass and labels

Code Quality Re-defined

◆ Letter quality text and graphics allow codes to compliment product packaging even at high speed

◆ Codes on PET are sharp and easily read with a "frosted" appearance

Compact

◆ Having the smallest and lightest laser head in its class, at 8.6Kg (19lb), the S300 is one of the easiest to install allowing coding of products inside existing equipment guarding in many applications

◆ The control cabinet provides an intuitive touch screen user interface together with quick fit connectors for essential accessories ensuring easy integration

Outstanding performance

◆ Micro laser technology with optimised optics and software gives the S300 the ability to code at high production speeds over a large print area

◆ Two lines of code can be produced at speeds in excess of 1,000 bottle per minute on PET, and 152 m/minute (500ft/min) on labels

◆ Single line codes can be produced on glass at speeds of over 122 m/min (400ft/min)

Extreme Reliability

◆ Compact laser tubes and optics combined with pressurised air cooling means that small is also reliable

◆ The sealed IP55 laser head and controller are suitable for use where dust or water are daily hazards
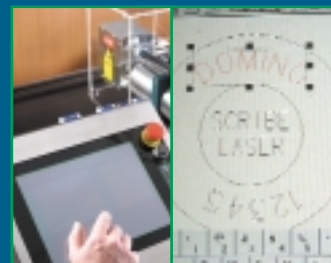

Change your view on code quality

The compact laser head makes installation simple even inside existing guarding

Crisp permanent codes on a wide range of surfaces including those that are traditionally hard to mark

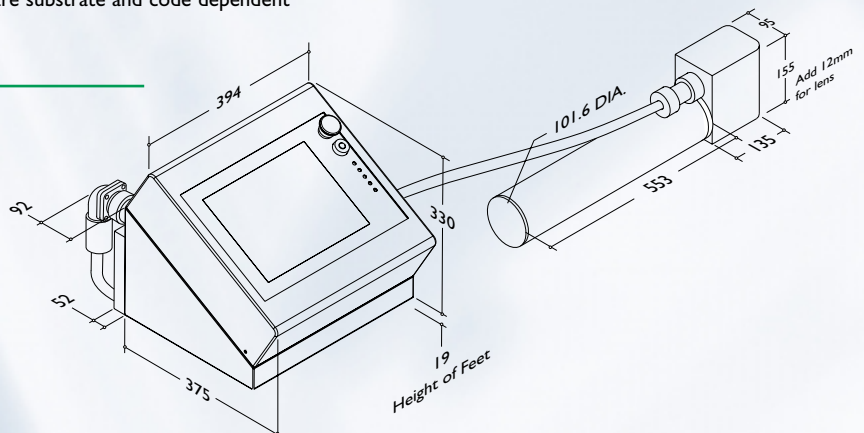Large colour touch screen and WYSIWYG operator software make code design quick and error free

DOMINO

The Domino **S300**

S300 Technical Specifications

Laser Type	Sealed CO_2 Laser
Laser Power	S300 = 35W, S300B = 30W

Marking Features

Characters per Second	800*
Product Line Speed	Up to 305 m/min* (1000 ft/min*)
Marking Field/Focal Length	56x56mm (2.2"x2.2"), Focal Length 89mm (3.5") 76x76mm (3.0"x3.0"), Focal Length 127mm (5.0") Laser diode aiming beam to indicate mark area
Number of lines of text	As many as required
Character Height	0.8 – 76mm (0.03"-3.0")
Fonts	24 fonts, multi-language, including Asian characters
Marking Options	Text, logos, bar codes, 2D codes, graphics, automatic serial numbering, batch coding and real time clocks

User Interface	12.1" colour touch screen with WYSIWYG and SVGA quality (800*600 resolution) display Control language in English, German, French, Spanish, Dutch, Danish, Polish, Portuguese, Italian, Hungarian, Korean, Russian, Swedish, Chinese (Simplified & Traditional) and Japanese
Operating System	Microsoft Windows ® 2000

Laser Head

Length 688mm (27.09")	Height 167 mm (6.57")	Width 107mm (4.21")	Weight 8.6kg (19lb), 10.9 Kg (24lbs) with 3m conduit

Control Cabinet

Width 394mm (15.51")	Depth 467mm (18.39")	Height 349mm (13.74")	Weight 18Kg (40lbs)

Construction	Stainless steel for laser head and control cabinet
Conduit Length	3m (9.85ft), 6m (19.69ft) optional

Inputs & Outputs

Product Detect Inputs	NPN/PNP/5-24Vdc – Sensor
Product Speed Detect	Quadrature Shaft Encoder
Signal Inputs	External E-stop, interlock circuits, cooling air monitor, fume extraction monitor, 9 configurable user inputs
Signal Outputs	Alarm, ready signal, fume extraction control, cooling air solenoid control, E-stop status, print complete, 3 configurable user outputs
Interfaces	3.5" Floppy Drive, PS2, VGA, RS232, Ethernet, USB, IDE

Electrical Requirements	90-264 VAC, 47-63Hz, 600VA typical

Environment

Cooling	Compressed air required typically 7 SCFM (200 litres/min) duty cycle and ambient temperature dependent
Environmental Standard	IP55, CE mark
Operating Temperature	5 to 45°C (41 to 113°F)
Operating Humidity	10-95% non-condensing
Options	Laser head mounting bracket, control cabinet stand, alarm beacon, fume extractor, air filtration kit

*Character generation and production speeds are substrate and code dependent

Dimensions

All dimensions in millimetres

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UK: Cert. No. FM 13758
BS EN ISO 9001

DANGER
INVISIBLE LASER RADIATION –
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
MAX. OUTPUT: 60 WATTS
DURATION: CONTINUOUS
LASER MEDIUM: CO₂
CLASS IV LASER PRODUCT

Due to our policy of continuous improvement, specifications are subject to change without notice.