

The Domino S-Series

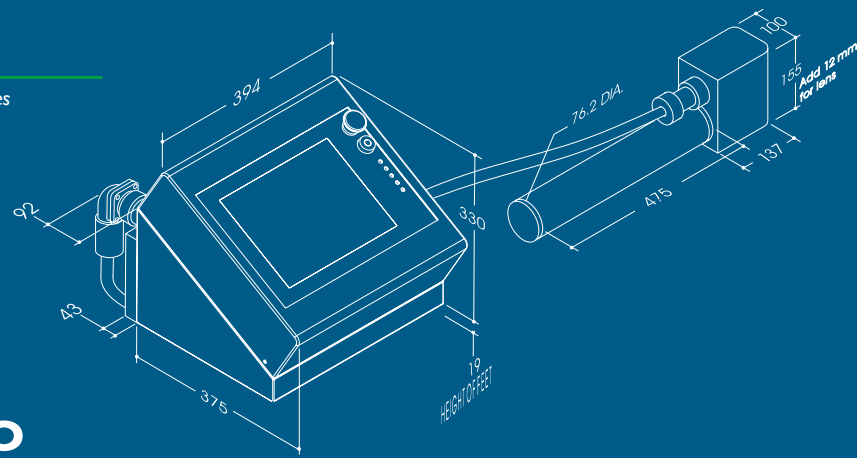
Technical Specifications

S-Series Model	S100	S200
Laser Type	Sealed CO ₂ Laser	
Laser Power	10W	20W
Marking Features		
Characters per second	300*	400*
Product Line Speed	76 m/min.* (250 ft/min.*)	
Marking Field / Focal Length	35 mm x 35 mm (1.38" x 1.38"), Focal Length 80 mm (3.15") or 50 mm x 50 mm (1.97" x 1.97"), Focal Length 120 mm (4.72") Laser diode aiming beam to indicate message to be marked (Standard for S200, Optional for S100)	
Number of lines of text	As many as desired, mixed sizes	
Character Height	0.8 – 50 mm (0.03" – 1.97")	
Fonts	24 fonts, Multi-language including full Unicode	
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 (800x600 resolution) display Control language in English, German, French, Spanish, Dutch, Danish, Polish, Portuguese, Italian, Chinese and Japanese	
Operating System	Microsoft Windows® 2000	
Laser Head		
Length	612 mm (24.09")	
Height	155 mm (6.10"), not including lens	
Width	100 mm (3.94")	
Weight	8.18 kg (18 lbs)	
Control Cabinet		
Depth	418 mm (16.46")	
Height	349 mm (13.75")	
Width	394 mm (15.51")	
Weight	17.69 kg (39 lbs)	
Construction	Stainless steel for laser head and control cabinet	
Conduit Length	3 m (9.84 ft)	3 m (9.84 ft), 6 m (19.69 ft) optional
Inputs & Outputs		
Product Detect Inputs	NPN / PNP/ 12V - Sensor	
Product Speed Detect	Quadrature Shaft Encoder	
Signal Inputs	External E-stop, Interlock Circuits, 9 Configurable User Inputs	
Signal Outputs	Alarm, Ready Signal, Fume Extraction Control, Air Control, E-stop Status, 6 Configurable User Outputs	
Interfaces	3.5" Floppy Drive, PS2, VGA, RS232, Ethernet, USB, IDE	
Electrical Requirements	90-264 VAC, 47-63 Hz, 460 VA maximum	
Environment		
Cooling	Compressed air required typically @3.5 SCFM (100 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



S-Series 02/03 Due to our policy of continuous improvement, specifications are subject to change without notice.

BEST BEFORE
OCT 20 05

The Domino S-Series



BEST BEFORE
OCT 20 05

Key Benefits

- Smallest laser head fits readily into any tight production spaces
- Revolutionary circular laser head allows for instant adjustments
- The new micro laser continues Domino's field proven reliability
- Innovative colour touch-screen provides easy data entry
- A visible red aiming beam simplifies laser focusing, code position adjustment
- Intuitive Windows® based software makes code set up and editing fast and simple
- Multiple languages can be selected for coding and menu control
- Unique scanning technology steers the laser beam to create precise, letter-quality codes
- Large depth of field allows quick setup and fast product changeovers
- IP55 rated design for reliability in demanding production environments

The Domino S-Series

The simple-to-use laser system for high quality coding.

Now there is a simple and affordable solution to your challenging coding needs. Combining innovative laser technology and ground-breaking system design, the Domino S-Series provides the benefits of laser coding with the simplicity and quality that you have always wanted.

Versatile, Quality Codes

The S-Series is developed to meet customers' changing needs, from the simplest to the most sophisticated applications.

- Permanent, clear codes can be marked on a wide range of materials, including primary cartons, labels, plastics and glass containers in the food, beverage, pharmaceutical and personal care industries.
- Advanced scanning technology delivers a sharp code on your product, whether it is a simple batch number or includes complicated European and Asian characters. Consistent code quality can be achieved on stationary products and at production speeds up to 152m/min. (500ft/min).
- All S-Series systems can mark serial numbers, batch codes, bar codes, 2D codes, and graphics. There is flexibility to print an unlimited number of lines of text in any orientation, in a wide range of fonts 0.8mm to 50mm high.



Minimum Maintenance

Building on Domino's field proven laser systems, the S-Series requires minimum maintenance and assures optimum uptime for your production line.

- Designed for use in demanding environments, the system is rated at IP55 and provides protection against both dust and wash down.



- Powered by Domino's advanced micro laser, the laser head is cooled by compressed factory air, eliminating the cost and maintenance requirement of a chiller and water cooling.
- Laser creates an indelible mark directly on product and packaging without the need for ink and other chemicals.



Simple Operation

The S-Series is simple and easy to use. There are no inaccessible buttons, hard-to-remember codes, or complicated procedures that demand intensive operator training.

- Innovative colour touch-screen user interface with WYSIWYG display allows for quick code set up and editing.
- The intuitive Windows® based software uses simple and familiar function keys. On-line help is also available to provide immediate answers.



- Using unique optics, the S-Series system projects a red image of the code on the product to be marked. Operators can quickly and easily verify code position and accuracy, reducing code set up time and product waste.

Easy Installation

Domino has been a pioneer in industrial laser coding and marking. With many built-in industry firsts, the S-Series redefines easy laser installation.

- The S-Series has the smallest and lightest laser head in its class, providing more options for mounting into any tight production spaces.
- The compact and light control cabinet can even be shelf-mounted for best positioning on production lines.
- Achieving pristine codes on your product is quick and easy with the step-by-step "Installation Wizard" and visible red aiming beam.
- Quick fit connectors for essential accessories ensure easy integration. An Ethernet connection can also provide remote control and networking capabilities.



Accessories

Control Cabinet Stand



Laser Head Mounting Brackets and Stand



DPX range of Fume Extractors



Photocell / Product Detectors



Shaft Encoder



Alarm Beacon

