

# The Domino D100+

*Extremely versatile and robust 10W scribing laser designed to provide superior quality coding on a wide range of surfaces at **low to medium speed** production lines.*



## Key Benefits

### Versatile coding

- Marks serial numbers, batch codes, bar codes, 2D codes, realtime numbers, logos, graphics, or more complicated European and Asian characters
- Range of marking fields dependent on application
- Blue tube technology (9.3µm) available for optimum code quality (esp. for PET applications)

### High Reliability

- Robust and reliable in the most demanding production environments
- Proven sealed-off CO<sub>2</sub> laser technology requires no consumables and minimum maintenance
- No hard drive needed - less moving parts for high reliability

### Easy to install and integrate

- Compact laser head with modular design for installation in any orientation
- Separate controller can be easily mounted or stacked and/or stored away minimising footprint requirements

### Simple to Use

- The D100+ has a built-in web server that allows all functionality to be controlled remotely via any interface running a standard Java-enabled web browser
- Domino Touchscreen option



### Pharmaceutical Option

- Unique user passwords and change reporting
- Validation packages available
- Facilitates adherence to 21-CFR part 11 and GAMP

## Main Features

- Modular design for flexible laser head orientations
- Flexible controller for easy mounting and stacking options
- Multiple wavelength options for different application needs
- Intuitive Windows® based software
- User friendly remote Domino Touchscreen



High quality laser codes



Easy to use intuitive interface

## Technical Specifications:

	D100+ 7	D100+ 10	D100+ 14
<b>Laser Type</b>	Sealed-off CO <sub>2</sub> laser, 30,000 hours MTBF		
<b>Laser Wavelength</b>	10.2 to 10.8µm (9.3µm as Blue tube option available)		
<b>Laser Power</b>	10W (approx. 8W for Blue tube option @ wavelength of 9.3µm)		
<b>Marking Features</b>			
Characters per Second	800*	400*	150*
Product Line speed	198m/min.* 650ft/min.*	140m/min.* 460ft/min.*	45m/min.* 148ft/min.*
Number of Lines of Text	As many as desired*		
Character Height	0.8mm to size of marking field	0.5mm to size of marking field	0.3mm to size of marking field
Fonts	22 fonts, multi-language including full Unicode		
Marking Field & Focal Length	56x56, 76x76 mm	60x60, 120x120, 180x180mm	60x60, 120x120, 180x180mm
	80, 120 mm	100, 200, 300mm	100, 200, 300mm
<b>User Interface</b>	Web Browser-based Graphical User Interface (GUI) (optional Touchscreen available) WYSIWYG entry, control language in English, German, French, Spanish, Dutch, Danish, Polish, Portuguese, Italian, Korean, Russian, Swedish and Chinese (Simplified)		
<b>Operating System</b>	Windows CE		
<b>Laser Head</b>	Stainless steel and aluminium construction		
Weight & Dimensions	20kg 723 x 141 x 207mm** 44lbs 28.5 x 5.6 x 8.1in	21kg 728 x 148 x 207mm** 46lbs 28.7 x 5.8 x 8.1in	22kg 773 x 151 x 207mm** 48lbs 30.4 x 5.9 x 8.1in
<b>Control Cabinet</b>	Stainless steel construction		
Weight & Dimensions	15kg, 430 x 430 x 155mm (WxDxH)/33 lbs 16.9 x 16.9 x 6.1in		
Conduit Length	4.5m (14.8ft), 9m (29.5ft) optional		
<b>Inputs &amp; Outputs</b>			
Product Detect Inputs	NPN / PNP / 24V - Sensor		
Product Speed Detect	Shaft encoder or steady signal		
Signal Inputs			
Signal Outputs	Laser ready, busy signal beacon, fume extractor control		

**Interfaces** RS232, Ethernet (10/100 MBit), USB Port

**Touchscreen (optional)** 10.4" SVGA full colour touchscreen, 310 x 235 x 80mm (WxDxH), VERSA 75 mounting standard

**Electrical Requirements** 88-132V / 170-264V  
47-63Hz 620W

**Environment** Designed for IP54, air cooled (fans)

### Environmental Standard

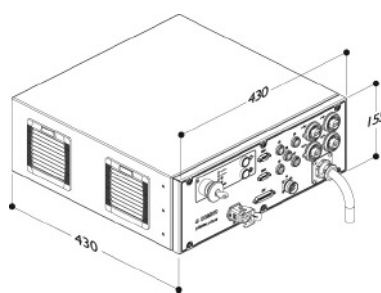
Operating Temperature 15° to 38°C  
(60° to 100°F)  
Operating Humidity Max. 90% RH, non condensing

### Options

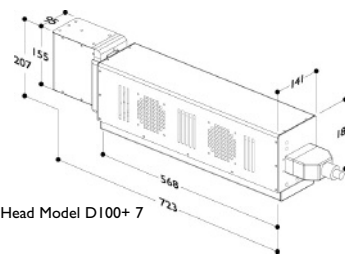
User I/O, axial beam output, network and remote control software (TCP / IP), fume extraction shroud

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

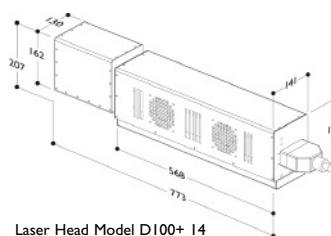
\*\*Dimensions measured overall



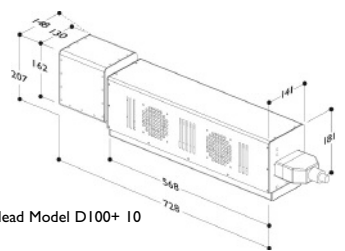
D100+ controller



Laser Head Model D100+ 7



Laser Head Model D100+ 14



Laser Head Model D100+ 10

All dimensions in millimetres. All dimensions length x width x height



[www.domino-printing.com](http://www.domino-printing.com)

