

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 CO₂ 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
Laser Type	Sealed-off CO ₂ laser, 30,000 hours MTBF		
Laser Wavelength	10.2 to 10.8µm (9.3µm as Blue tube option available)		
Laser Power	10W (approx. 8W for Blue tube option @ wavelength of 9.3µm)		
Marking Features			
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	40x40mm 100mm	60x60, 120x120, 180x180mm 100, 200, 300mm	60x60, 120x120, 180x180mm 100, 200, 300mm
User Interface	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)		
Operating System	Windows CE		
Laser Head	Stainless steel and aluminium construction		
Weight & Dimensions	19kg 727 x 141 x 253mm** 42lbs 28.6 x 5.6 x 9.9in	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
Control Cabinet	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		
Inputs & Outputs			
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

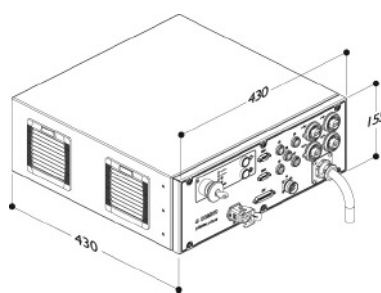
Operating Temperature 15° to 38°C
(60° to 100°F)
Operating Humidity Max. 90% RH, non condensing

Options

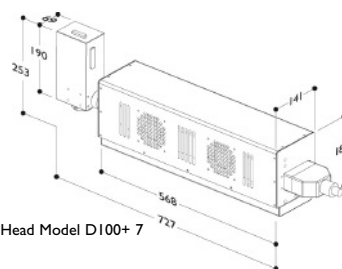
User I/O, axial beam output, network and remote control software (TCP / IP), fume extraction shroud

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

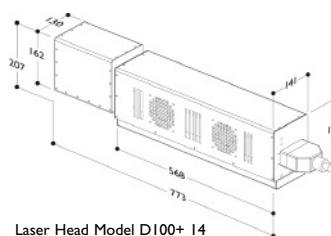
**Dimensions measured overall



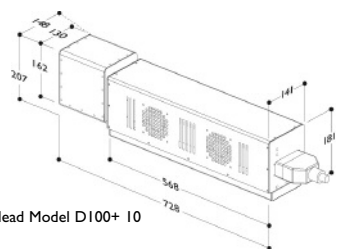
D100+ controller



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



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