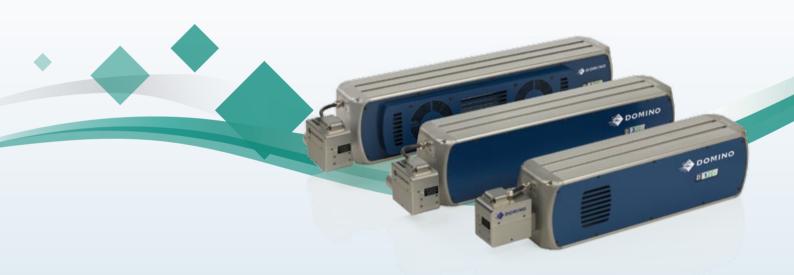


Domino D-Series lasers

Small things can make a big difference



The latest editions of our successful compact scribing laser are designed to fit in even the smallest of spaces.



Domino D-Series – new, compact lasers are flexible in more ways than one.

The new **i-Tech** scan head is smaller and adjustable, allowing the **D-Series** lasers to be installed in the most restricted spaces.

A new IP65 version design adds greater protection for harsh environment installations.

Flexible connectivity and a familiar interface now make it possible to control **D-Series** lasers from anywhere.

Improved performance at high line speeds through the patented optional **i-Tech** *RapidScan* technology.



A diverse range of applications

The **D-Series** laser system produces unlimited lines of text in any orientation, and in many fonts and sizes. It is equally suitable for both graphics and 2D datamatrix codes. All are permanently applied to a wide range of materials from low to high production line speeds.



High code quality ideal for 2D datamatrix coding



Special lasers for clear codes on PET and PP materials plus a special scan head option for larger web coding applications



High quality at highest line speeds



Greener credentials

Domino's commitment and investment in sound environmental practices means we frequently exceed the demanding governmental, industry and company standards and regulations. We are committed to minimising the consumption of natural resources and energy and the creation of waste. Wherever practical our products are RoHS and WEEE compliant so that they are recyclable.

D-Series

The new D-Series, with no need for inks or solvents – minimising waste as well as 20% reduced weight (versus previous models) – helps you to reduce your carbon footprint. Automatic temperature controlled fan cooling means the coder saves energy whenever applications allow.

More flexibility – simplifies integration



Compact

Fit is a big issue, so we've gone small. We've also separated the components to create a modular design, making the **D-Series** laser easy to install. It simply adapts to your production line set-up.





Flexible

The key to the **D-Series** flexibility is a smaller **i-Tech** scan head, connected to the laser tube on a multi-position mount. The head can be rotated through 90 degree steps to allow for many mounting positions, and because it is so much smaller, it can easily fit where bigger lasers cannot.



Easy to install

Full length integrated mounting rails on both sides of the laser head and its smaller overall footprint makes the **D-Series** an easy and safe installation.



More convenience – saves time

Accessible

As an operator, you can manage the coder by either our intuitive remote **TouchPanel** or via its web-based interface from any industrial PC. For the ultimate in flexibility, the **D-Series** can also be controlled via your production line interface.



Easy to operate

D-Series i-Tech uses **QuickStep**, our unique simplified operator user interface for effortless control and status reporting. No complex menus or parameters, just enter the job and away you go.

- Large user friendly icons and customisable home screen for quick access
- Intuitive 3-tiers menu structure makes **QuickStep** WYSIWYG message creation and editing quick and easy to learn

QuickDesign Lite - Simplifying message design

If you would like to create your laser coding message from a remote PC D-Series offers **QuickDesign**, a single, easy to use Windows® application. It also lays the foundation for providing increased automation of your coding needs.



More protection – enhances reliability

Built to last

An optional IP65 version adds protection to the laser tube while not compromising on overall size. Its aluminium and stainless steel construction gives you lasting performance in the harshest environments.

Peace of mind

The robust controller is the ultimate in reliable equipment. It stores message data without the need for a hard drive, minimising the number of moving parts in the whole system. It can also be hidden under the production line, away from the laser, or rack mounted to save space and reduce the likelihood of accidental damage.

Secure

Our pharma option offers unique user passwords and change reporting to be 21-CFR part 11 and GAMP compliant. This can be supplied and installed with validation packages to ensure that systems are tested and proven to the highest standards.

D-Series also ensures legally compliant solutions to cover the serialisation requirements of the European Falsified Medicines Directive (EU Directive 2011/62/EU) with both human readable and 2D datamatrix coding.

More performance – increases efficiency

Faster without compromise

The **i-Tech** scan head is the fastest scan head of its kind resulting from its optimised mirror and software control plus the revolutionary patented i-Tech

RapidScan technology.

RapidScan makes our lasers 20% faster for high-speed applications than other scribing lasers as D-Series can track the product for longer by using the optimum configuration of the mark field.

The new i-Tech RapidScan also improves the ability of **D-Series** to code difficult to mark materials and to print longer or more complex codes where more energy or time is required to scribe the code.

D-Series delivers results where other scribing lasers have already reached their limit.



Versatile performance

The new **D-Series** offers a power range of 10W, 30W and 60W lasers to fit all your coding needs, from low to high speed applications, basic to complex codes, and for all production environments. There are two scan head options available for different application requirements, with the i-Tech 15 scan head offering exceptional code quality on larger mark field applications, e.g. for coding on the web.

Safe and clean

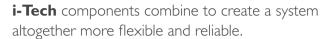
With any laser it is important to consider extraction of fumes and particles to maintain a safe and clean working environment. The Domino DPX fume extraction range integrates with D-Series and provides an efficient and simple solution.



Domino. Do more.

A quick tour around the D-Series

intelligent Technology





IP65 option for more protection

Controller module that can be hidden under the production line, or rack mounted to save space

Full-length integrated mounting rails on each side for easy positioning

Energy efficient temperature controlled fan cooling

Compact **i-Tech** Scan head with flexible mount for head rotation in 90 degree steps



Our next generation of primary coders deploy our unique *intelligent Technology* system, **i-Tech**. Our aim was to make production lines lower maintenance, lower cost and more efficient. **i-Tech** has helped us to achieve that aim.



Domino. Do more.



Technical Specification:

	D120i	D320i	D620i
Laser Type Laser Wavelength Laser Power		2 Laser, approx. 45,000 hours MTBF te Tube and 10.2µm as RedTube option available) 30W (approx. 20W BlueTube (9.3µm); approx. 28W RedTube (10.2µm))	60W
Marking Features Characters per Second Product Line speed Number of Lines of Text Character Height Fonts Mark Fields i-Tech 10 Mark Fields i-Tech 15 Focal Length	0.6mr 24 fonts, m 58 × 58, 68 × 68, 84 × 200 ×	1500* 400m/min.* 1300ft/min.* As many as desired* n to size of marking field ulti-language including Unicode 84, 102 × 102, 136 × 136, 180 × 180mm 254, 262 × 334, 356 × 452 50, 200, 250mm; i-Tech 15 : 250, 325, 450mm	2000* 600m/min.* 1970ft/min.*

User Interface	Web Browser-based Graphical User Interface (GUI) (optional TouchPanel available) WYSIWYG entry, control language in English, German, French, Czech, Danish, Spanish, Finnish, Greek, Hungarian, Italian, Japanese, Dutch, Portuguese, Polish, Chinese, Korean, Romanian, Russian, Swedish, Slovak, Turkish, Arabic
Operating Syste	n Windows CE

Operating System	Windows CE			
Marking Software	Dynamark III Laser Marking Software			
Scan Head	i-Tech Scan Head, mountable in various orientations including axial and radial			
Laser Head	Stainless steel and anodised aluminium construction			
Weight & Dimensions	16.5kg 681 × 140 × 180mm** 36.4lbs 26.8 × 5.5 × 7.1in*	22kg 776 × 140 × 180mm** 48.5lbs 30.5 × 5.5 × 7.1in	27.3kg 846 × 140 × 180mm** 59.5lbs 33.3 × 5.5 × 7.1 in (IP65) 30kg 946 × 140 × 180mm** 66.1lbs 37.2 × 5,5 × 7.1 in	
Control Cabinet Weight & Dimensions Conduit Length	Stainless steel construction 14.5kg, 430 × 371 × 154mm (WxDxH) 32lbs 16.9 × 14.6 × 6.1in (IP55) 17.5kg, 541 × 401 × 229mm (WxDxH) 38.5lbs 21.2 × 15.7 × 9 in 4.5m (14.8ft), 9m (29.5ft) optional	Stainless steel construction 14.5kg, 430 × 371 × 154mm (WxDxH) 32lbs 16.9 × 14.6 × 6.1 in (IP55) 17.5kg, 541 × 401 × 229mm (WxDxH) 38.5lbs 21.2 × 15.7 × 9 in 4.5m (14.8ft), 9m (29.5ft) optional	Stainless steel construction 27kg, 430 × 371 × 309mm (WxDxH) 60lbs 16,9 × 14,6 × 12,1 in (IPS5) 34kg, 541 × 401 × 458mm 74lbs 21.2 × 15.7 × 18 in 4.5m (14.8ft), 9m (29.5ft) optional	
Inputs & Quitnuts				

Inputs & Outputs
Product Detect Inputs NPN / PNP / 24V – Sensor Shaft Encoder (differential) or single ended signal Product Speed Detect Signal Inputs Signal Outputs Laser Ready, Busy Signal, fume extractor control, compressed air control

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

Electrical Requirements Environment

90-264V, 47-63Hz, 1050VA (D120i/D320i) / 2000VA (D620i)

Controller Laser heads Environmental Standard Operating Humidity

Standard version (air cooled, fan) and IP55-version for higher protection
Standard version (air cooled, fan) and IP65 version (compressed air cooled / water cooled (D620i))
Operating Temperature 5° to 40° C / higher temperatures on request. (41° to 104° F)
Max. 90% RH, non condensing

Options Aiming Beam, User Port Kit I/O, Fume Extraction Shroud, USB Image Backup/Restore Kit, Rack Mounting Kit, Daisy-Chaining, i-Tech RapidScan technology

*Characters per second and production line speeds are substrate and code dependent **Dimensions measured overall for shortest version

