Domino Large Character Coders

Reliable and robust solutions for large character coding

The Domino Macrojet 2 and CaseCoder have well earned reputations for delivering reliable and cost effective large character coding in a wide range of industries. A compact design with integral print head allows the CaseCoder to be mounted on many types of carton taping machines and production lines while the Macrojet 2 can drive up to four remote heads from a single base unit.

Compact carton coding with the Domino CaseCoder.

Key Benefits:

- Reliable coding in difficult, dusty or dirty environments

- Flexible, cost effective solution for a wide range of substrates

- Easy to use, with large ink capacity for minimum operator intervention and maximum Up-Time

- Macrojet 2 – prints in any orientation, suitable for a wide range of applications

Main Features:

- Sealed print head nozzles for maximum Up-Time in harsh environments

- Compact and robust design

- High volume ink system with choice of ink types and colours

- Sealed ink system for use with quick drying inks Macrojet 2 – print heads can operate in any orientation and up to four heads can be driven from a single base unit

- CaseCoder – integral print head design

Macrojet 2. The industrial large character printer.

Low level print head option.

Maximum Productivity

- Reliable and robust design

- Continuous coding is a reality. Ink supplies can be replaced cleanly and easily during printing thereby avoiding unnecessary interruptions to production

- Non-porous surfaces are no problem. The unique head design allows fast drying inks (e.g. MEK based) to be used, producing sharp codes with maximum reliability

- Easily integrated into existing production facilities

User Friendly

- Ink replacement is quick and clean using the self-sealing connector. The large 5 litre supply makes this process infrequent

- Simple operator software makes message creation and storage error free. The data entry terminal can be removed for added security

- Automatic variables in the code (numbering sequences, time and date data) reduce the number of code changes required and ensure that the message is accurate

- Up to 50 messages can be prepared, checked and stored for later use helping to eliminate coding errors

Code a wide range of substrates.

Consistent print quality on non-porous substrates.

Dimensions:

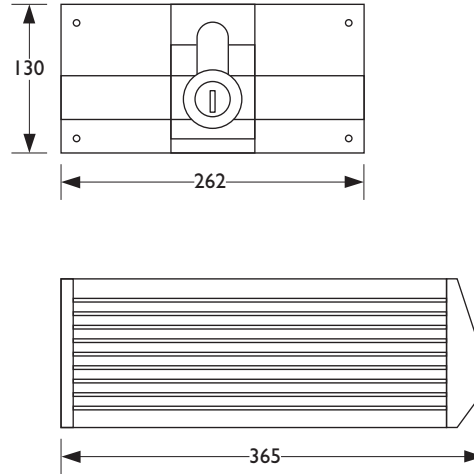All dimensions in millimetres

Casecoder Dimensions

Print Qualities

- Capable of printing multiple lines of code onto many different surfaces. Can be used with a wide range of inks, which are suitable for porous and non–porous surfaces from metal and plastic to sacking, paper or timber

- Low level print head option for tray coding or printing near the base of products

- Print drop size can be adjusted for the substrate to be coded, offering the best print quality for the application
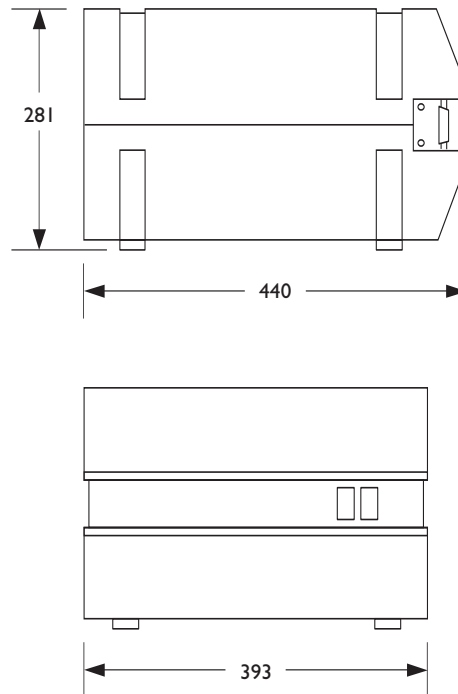
Macrojet Dimensions

Technical Specification:

Dimensions	Macrojet 2		CaseCoder
Control Unit			
Height:	281 mm		130mm
Width:	393 mm		262 mm
Depth:	440 mm		365 mm
Weight:	25 kg		10 kg
Construction:	Epoxy finished structural foam with RF screen		

Macrojet Print Head	Type A	Type B
Height:	85 mm (7 drop)	lll mm (16 drop)
Depth:	223 mm	269 mm
Width:	70 mm	70 mm
Weight:	1.8 kg	2.5 kg
Conduit Length:	4 m standard, 8 m option	4 m standard, 8 m option

Character Height	Type A	Type B	Single line
	8 mm (5x5 matrix)	32 mm (16x10 matrix)	8 mm (5x5 matrix)
	12 mm (7x5 matrix)	50 mm (16x10 matrix)	12 mm (7x5 matrix)
	16 mm (7x5 matrix)		
	20 mm (7x5 matrix)		**Twin line**
			8 mm (5x5 matrix)
			12 mm (7x5 matrix)
			32 mm (16x10 matrix)

Throw Distance:	Maximum of 15 mm dependent upon product speed
Macrojet Print Heads	Up to four print heads can be combined up to a total of 32 nozzles. Each character height requires a dedicated print head.
Character Control	Adjustable drop size. Invert, reverse and bold characters. Adjustable character width. Print Delay. Product counter. Real time clock (time and date). Serial Numbering up to 8 digits. Multi-language characters, customer logos and symbols. Auto message repeat.
Ink System	Disposable ink supply 5 litre container. Fast clean ink changes. No down time for ink top up. Ink available for coding on porous and non-porous surfaces. Integral pump; no requirement for factory air. Minimal waste is generated with this system, as it uses a depleting bag in box ink supply. This allows safe and non-contact changing of new ink supplies

Ink options:

Solvent Base	Properties	Surfaces	Black	Blue	Red	Green	Yellow	Clear
Methyl Ethyl Ketone	Fast drying, excellent adhesion and end user properties on most surfaces	A wide range of plastics including shrink-wrap, metals, concrete, timber, paper and board products.	✔	✔	✔	✔	✔	✔
Alcohol	Moderate drying times, excellent end user properties	Metals, some plastics, timber, paper and board products	✔	✔	✔			
Water	Moderate drying times on porous surfaces, excellent end user properties	Many absorbant surfaces including paper and board products	✔	✔		✔		

Data Input	Pocket terminal. Interface: RS232. Domino software. Data retention during power off

Standard Connections

Product Detector:	5 Pin AXR 12V, 100mA for photocell or proximity sensor
Shaft Encoder Input:	Suitable for open collector or TTL encoders 5 Pin AXR
External Alarm:	One output via N/O relay contacts 2.5A at 60V max non-inductive

Environment

Temperature Range:	5 to 45°C operating
Humidity:	10-90%RH
Electrical Requirements:	78VA maximum, 50-60Hz, 6 position voltage selector (non-condensing) 110-260 V

Domino Worldwide

Through an extensive global network of subsidiaries and distributors, Domino operates in over 120 countries. This network offers customers both sales support and access to highly skilled service teams, providing technical support packages to suit the varying production environments and customer requirements across the world.

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