

Macrojet 2

.... A reliable and robust solution for large character coding applications

Maximum Productivity

The Domino Macrojet 2 has a well earned reputation for delivering reliable and cost effective operation in a wide range of industries. The Macrojet 2's reliability and flexibility ensure that high legibility codes are printed whenever production demands.

- ◆ Whatever the coding requirement, Macrojet 2 offers a flexible, cost effective coding solution as print heads can operate in any orientation and up to four heads can be driven from a single base unit
- ◆ The print head design, with sealed nozzles, performs reliably producing quality print in almost any environment - even where it's dusty or dirty
- ◆ Non-porous surfaces are no problem for the Macrojet 2 - the unique head design allows fast drying inks (e.g. MEK based) to be used, producing sharp codes with maximum reliability

Easy to use

- ◆ Continuous coding is a reality - ink supplies can be replaced cleanly and easily during printing - no unnecessary interruptions to production
- ◆ 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 and 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 code data is accurate

Print Qualities

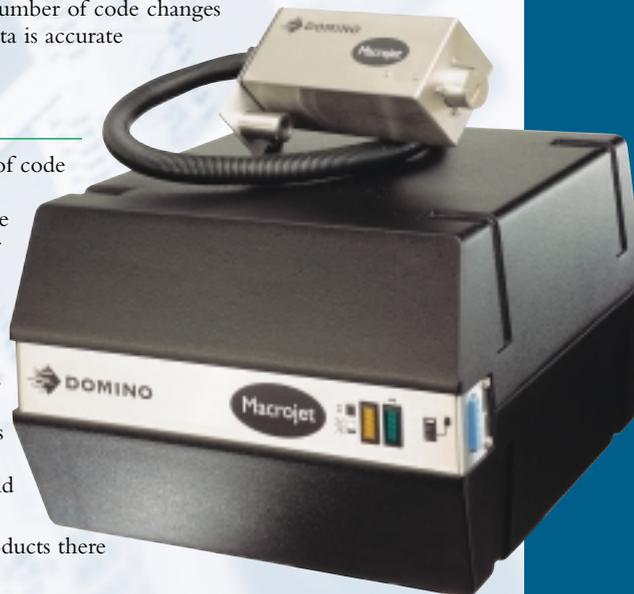
Capable of printing multiple lines of code onto many different surfaces the Macrojet 2 can be used with a wide range of inks which are suitable for porous and non-porous surfaces from metal and plastic to sacking, paper or timber.

- ◆ Consistently high print quality is achieved with the print head up to 15mm from the product - this is essential when printing onto large or heavy products that could impact the head and damage it
- ◆ For printing near the base of products there is a low level print head option
- ◆ Print drop size can be optimised for the surface to be coded, offering the best print quality for the application

Worldwide Service and Support



Domino's Global Service Standard reflects the company's commitment to exemplary levels of service. Flexible Service Contracts allow our customers to enjoy peace of mind, every moment of the day, with a network of highly trained and dedicated engineers.



Lentil Sack – Paper



Industrial Tubing – PVC



Packaging – Clay Coated



Soft Drinks Tray – Cardboard



Rice Sack – Hessian

Macrojet 2

Control Unit

Construction:	Epoxy finished structural foam with RF screen
Dimensions:	Height: 281mm Width: 393mm Depth: 440mm Weight: 35kg

Character Height

Printhead Type A	
◆ 8mm (5x5 matrix)	◆ 16mm (7x5 matrix)
◆ 12mm (7x5 matrix)	◆ 20mm (7x5 matrix)
Printhead Type B	
◆ 32mm (16x10 matrix)	◆ Each character height requires a dedicated printhead
◆ 50mm (16x10 matrix)	◆ Throw Distance: Maximum of 15mm dependent upon product speed
◆ Up to four printheads can be combined up to a total of 32 nozzles.	

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, 130, 150, 220, 240, 260

Character Control

◆ Adjustable drop size	◆ Invert, reverse and bold characters
◆ Adjustable character width	◆ Product counter
◆ Print Delay	◆ Serial Numbering up to 8 digits
◆ Real time clock (time and date)	◆ Auto message repeat
◆ Foreign alphabets, customer logos and symbols	

Data Input

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

Printheads

Printhead Type A dimensions	
◆ Height: 85mm (7 drop)	◆ Depth: 223mm
◆ Width: 70mm	◆ Weight: 1.8kg
◆ Conduit length: 4m standard 8m option	
Printhead Type B dimensions	
◆ Height: 111mm (16 drop)	◆ Weight: 2.5kg
◆ Width: 70mm	◆ Conduit length: 4m standard 8m option
◆ Depth: 269mm	

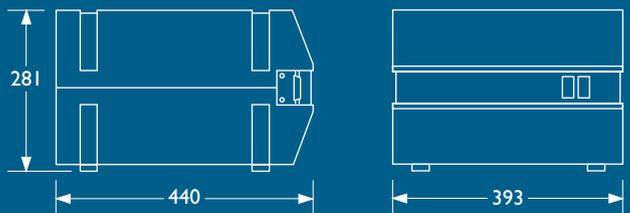
Ink System

- ◆ 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

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

Dimensions



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	◆	◆		◆		

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

Safety Standard Approval



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