

LARGE CHARACTER INKJET – **RESMARK 5000**

The ResMark 5000 sets new standards in packaging label digitalisation. Its perfect print images, maximum availability and sustainable structure make it an outstanding choice.



simple



competent



reliable

LARGE CHARACTER INKJET

ResMark 5000 – for the very best in large character inkjet printing



NiceLabel drivers available

THE INDUSTRY'S TOUGHEST PRINT HEADS.

Our large character inkjet printers are based on the durable Mark 2 and Mark 4 print heads. Once installed, they are able to run as much as you need them to – 24 hours a day, 7 days a week, 365 days a year. And the bayonet catch means they can be swapped out in no time at all if they happen to experience damage or a fault.

Now with bayonet catch for quick replacement.

Print head with bayonet catch



Perfect print images

The ResMark 5000 is the perfect large character inkjet printer for industrial product marking, able to produce high-resolution print images for absorbent and porous surfaces such as cardboard, plaster, cellulose or wood. The system is also able to produce text, codes and graphics with a print image height of up to 100 mm per print head (up to 8 print heads available) with a resolution of as much as 300 dpi – all at a much lower cost than conventional labelling.

Maximum availability

The printer is ready to go as soon as it has been installed, so you can make a start on production right away. The ink recirculation system consistently pumps air bubbles out of the system, ensuring that images are printed beautifully from the very start. In dusty environments, the automatic cleaning function keeps the print head clean at all times so that the printed product comes out as crisp as possible.

Not only that, but the retracting bracketry stops the print head from sustaining damage if it collides with a product. The large throw distance of up to 12 mm significantly reduces the

extent to which dust accumulates on the print head, maximising availability.

Sustainable structure

With durable components and ink free from mineral oil, the ResMark 5000 is a winning choice. Its ScanMark ink is certified for food industry applications and the empty ink cartridges can be simply disposed of along with general waste. If the print head – which is made of stainless steel – needs to go for repair, it can simply be replaced with a backup system thanks to the patented bayonet catch. We clean the print head and it can then be used again.

Digitalised labelling

The printer receives the print images directly out of the ERP system, a connected PC or an external controller. A whole host of options are available for integrating the ResMark 5000 into your production line – including WiFi, with the network connection established using Diagraph's NextConnect software or directly using Loftware NiceLabel.

Get in touch with us to explore what options are available for your application. Our large character inkjet also makes it possible to create special solutions customised to meet the exact

needs of your project. We can even advise you on barcode verification options.

Product benefits

- ✓ Ready to use immediately, with perfect printing results
- ✓ More cost-effective than labelling
- ✓ Print image height of up to 100 mm per print head
- ✓ Up to 8 print heads, cascading
- ✓ Durable print head with protection from spring-back holder
- ✓ Throw distance of up to 12 mm
- ✓ Automatic print head cleaning for maximum availability
- ✓ Print heads are quick to swap out thanks to patented bayonet catch
- ✓ Mineral oil-free ink for an eco-friendly choice
- ✓ Sustainable thanks to durable, repairable components
- ✓ Network connection via NiceLabel
- ✓ WiFi-enabled



INK FREE FROM MINERAL OIL

ScanMark ink is free from toxic mineral oil, which means the empty cartridges can be disposed of along with general waste.



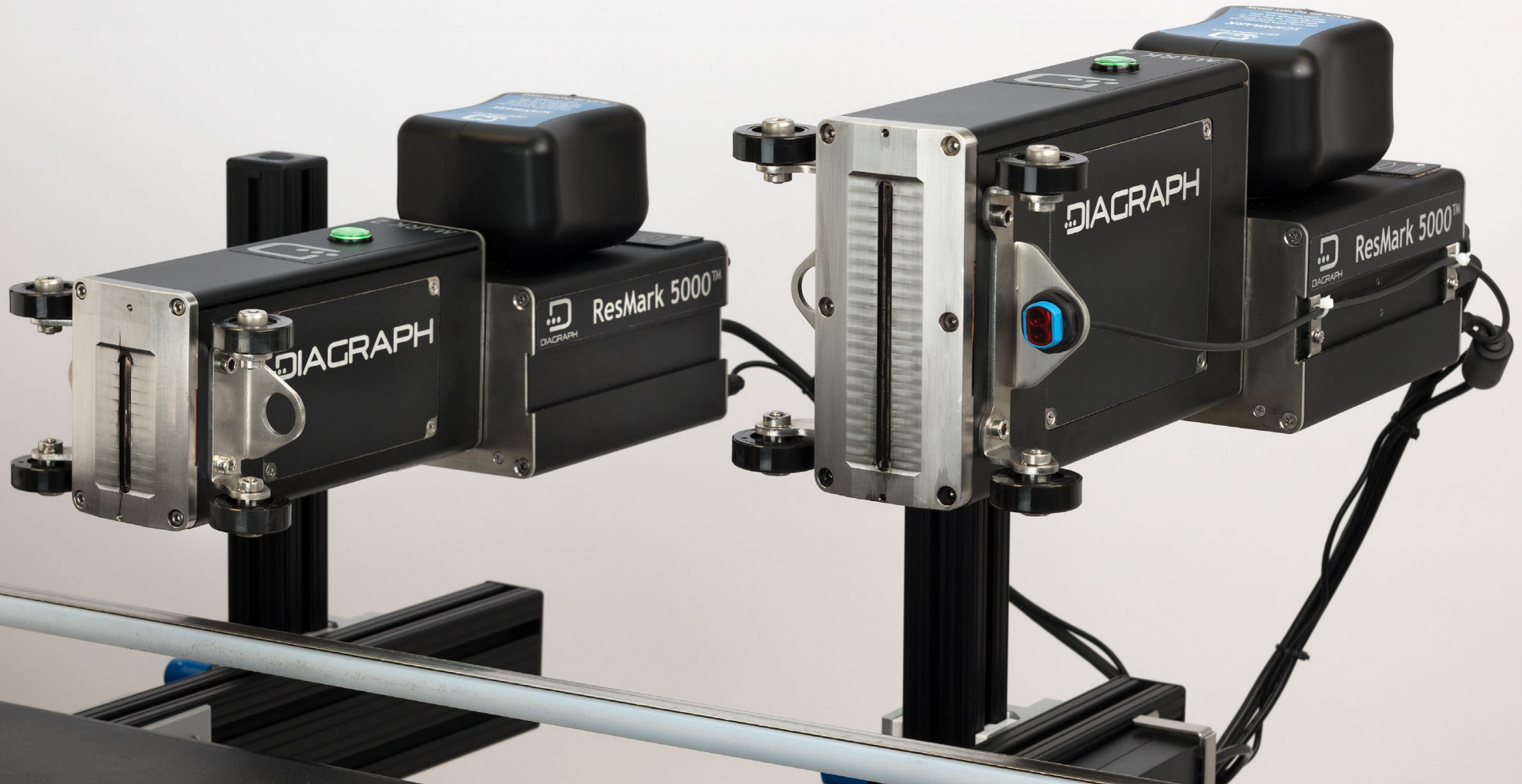
SPRING-BACK HOLDER

The spring-back holder stops the print head from being damaged by products that are fed in front of it.



OUTSTANDING PRINT IMAGE QUALITY

The throw distance of up to 12 mm, plus the diverting rollers and automatic cleaning function for the print head, ensure that print images stay consistently flawless.



TECHNICAL DATA

PRINT HEADS MARK 2 AND MARK 4



Mark 2



Mark 4

Print height	Up to 51 mm (2")	Up to 102 mm (4")
Technology	Piezoelectric print module (Trident)	Piezoelectric print module (Trident)
Printing speed	Up to 90 m/min	Up to 90 m/min
Print resolution (horizontal)	Up to 300 dpi (selectable)	Up to 300 dpi (selectable)
Print resolution (vertical)	64 dpi	64 dpi
Max. clearance from print head to product	12 mm	12 mm
Clearance from bottom edge to nozzles	22 mm	22 mm
Dimensions (height x width x depth)	117 x 66 x 338 mm	161 x 71 x 447 mm
Number of print heads per controller (Smart IDS)	Up to 8	Up to 8
Environmental conditions (operation)	5–40°C / 5–80% RH	5–40°C / 5–80% RH
Print direction (standard)	Horizontal print to product side	Horizontal print to product side
Print direction (special models)	Vertical print to top side of product	Vertical print to top side of product



Control and setup (HMI)	Control via ✓ touch control panel or ✓ PC possible
Control software	NextControl software or NiceLabel
Interfaces	Ethernet, WiFi, I/Os
Standard print functions	Barcodes (UPC, GTIN, Code 128, etc.; Data Matrix, QR code); logos; time, date, user variables
Inks	ScanMark (mineral oil-free)
Special functions	Recirculation (priming) Rinse cycle (print head cleaning)