

More than just a standard printer

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Pyrotec's machinery division, Pyrotec PackMark, has launched the new 9405 Continuous Inkjet (CIJ) coder from the trusted global manufacturer of product identification and traceability solutions, Markem-Imaje.



CIJ technology is one of the oldest printing technologies still in use today, which is testament to its versatility, printing tolerances, reliability and cost effectiveness. It is ideal for an array of uses in many industries and capable of marking most substrates. This simple technology works by creating a continuous flow of ink by pushing liquid ink through a gun body and microscopic nozzle via a high-pressure pump. Many industries demand high-speed printing, which the CIJ is capable of. A non-contact continuous ink system, CIJ virtually eliminates potential damage to packaging or products during the printing process. It is perfect for use in harsh environments and can be used with a variety of inks depending on industry needs. Solvent-based inks that contain alcohol or ketones may be used in CIJ printers to ensure fast drying times.

Graphics printing, expiration dates, and barcodes can be achieved using small character CIJ printers, which offer precision and work seamlessly with surfaces that are curved, flat, or textured.

These benefits can be seen in Markem-Imaje's recently-launched 9405. More than just a standard printer, the 9405's quick multiline message set-up offers optimal line effectiveness, and its constant quality coding with long maintenance intervals provides proven robustness. This is supported by its hygienic fully stainless-steel design with no retention zones that allows easy daily wash down (full IP55).



Efficiency is the name of the game with the 9405. An intuitive WYSIWYG 7-inch colour touch screen provides real-time display of remaining print capacity expressed in hours and number of messages, an integrated assistance and alert system, simplified message printing and management, and the ability to create user profiles. These features ensure that operators can manage the 9405 without support. Another benefit is easy configuration. Quickly create or upload codes via a USB connection, or through the international operator/machine interface with many language options.

To improve daily operations, the 9405's smart design ensures seamless integration; and intuitive guidance is supplied via embedded software for independent, efficient coder management.

The 9405 CIJ coder offers a broad array of ink options, including multi-use, high-performance, ketone-free, thermochromic and MEK-free inks, to help manufacturers achieve traceability and sustainability goals. Clean and secure, Markem-Imaje's sealed 0.8-litre innovative cartridge system requires no set-up and eliminates consumable management errors. An accurate real-time consumable display and efficient replacement without stopping production adds to this coder's efficiency.

Print features include Markem-Imaje's Jet Speed Control that guarantees marking quality at a printing resolution of 71dpi, and print speeds of up to 4.6m per second for up to five lines of print. Automatic font selection is available depending on the print speed and printhead/object distance. Font height ranges from five to 32 dots for multiline messages, and character heights from 1.5 to 11mm. Additionally, a wide choice of 1D and 2D barcodes, and Datamatrix and QR codes is offered.

And finally, cleaning the printhead is a simple operation: open the printhead, wash it, and close it in just two minutes.

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