



markem·imaje

a DOVER company



Continuous inkjet 9750 E Series: The advanced printers for extrusion



The innovation you need. The experience you trust.

Markem-Imaje is committed to the extrusion industry. Our previous extrusion specific models provided manufacturers with long-lasting, fast-drying, and nonmigrating codes on all materials – even PE. Our proven reliability and our full suite of colors –including two of the market’s first, reliable MEK-free inks– now enable manufacturers to code a wide range of materials effectively, sustainably and in the most demanding production environments.

The 9750 E series printers take this performance to the next level with:

- The market’s first ever hybrid ink circuit which can print either standard or premium, contrasted codes, vastly increasing flexibility while cutting spare parts for those needing both options
- The market’s most environmentally friendly coding solution, which cuts VOCs even for MEK inks, reduces waste sent to landfill
- The market’s most easily customizable integration into an Industry 4.0 production line
- One of the industry’s highest uptime thanks to a synchronized parts replacement schedule and up to 18,000 hours between services
- An even larger, 10-inch, smartphone style, user interface (UI) to improve line operator data entry – specially designed for extrusion applications
- Five more ink options for electronics coding, and a bend-resistant ink

Key benefits

Innovation

Advanced R&D backed by proven industrial processes and methods

- **Intelli’Inks** system ensures optimal performance and flexibility when coding different materials—in all colors, with all inks. Bend resistant ink, requiring no pretreatment, avoids stretching even on PE, HDPE and HFFR.
- **Intelli’Swap** technology streamlines mechanicals down to swappable modules.
- **Revolutionary hybrid ink circuit** can print standard codes with dyes or pigmented ones for extra contrast, providing extra flexibility and streamlining spare parts inventory. A market first!

Sustainability

More sustainable solutions =
Long-term value and lower TCO*

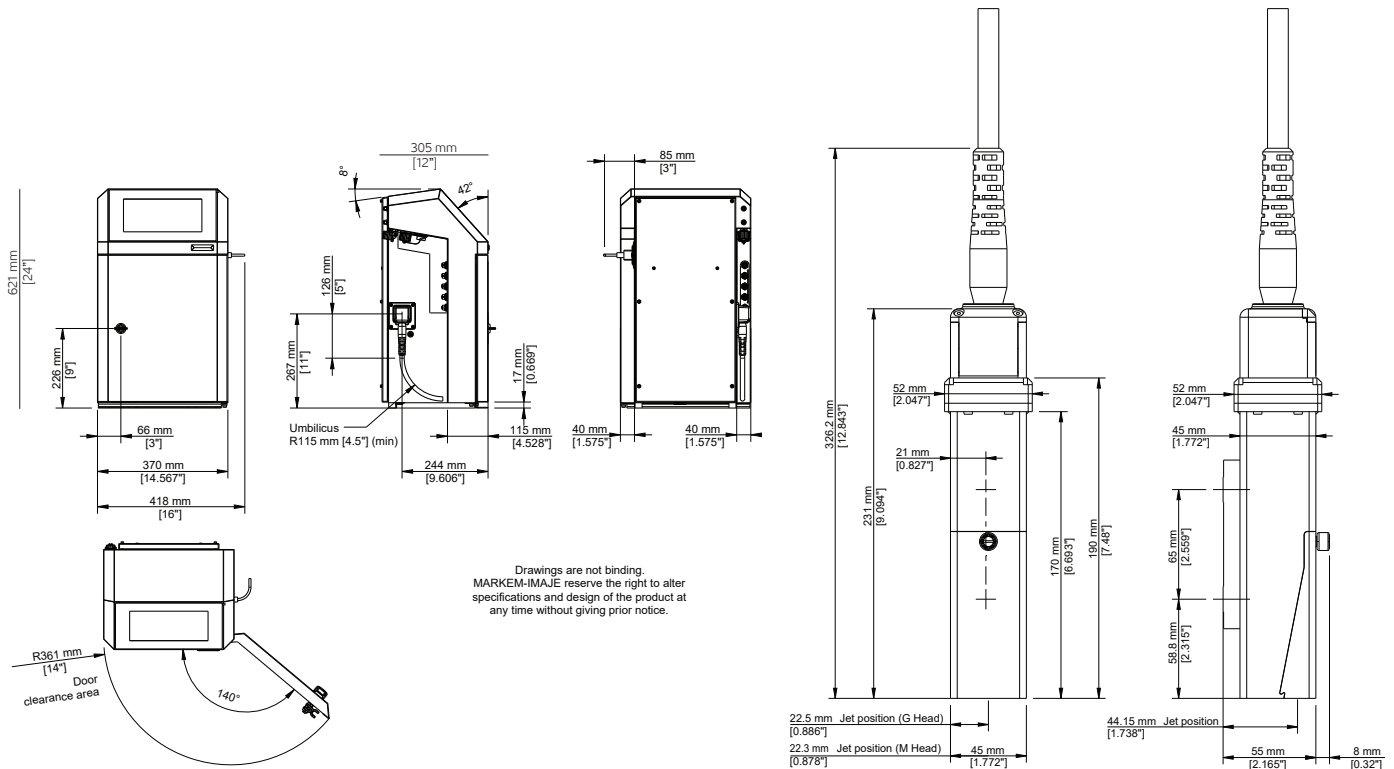
- **Intelli’Design** process and a portfolio of rigorously developed ink formulations help reduce consumable consumption and VOC* emissions by more than 40% while improving operator safety, well-being and TCO
- **IntelliSwap** means you synchronize parts replacement and swap only individual items, not the entire block.
- **Market-leading service intervals** of up to 18,000 hours

Digitalization

Market’s most easily customizable
integration

- Currently market’s only provider of 24-pin interface customizable to accept any of the 70+ signals available to run lines
- M12 input/output connector and compatible with various industrial protocols, enabling easier and more seamless integration
- Our Connected Printer Services powered by a secure IoT platform**, allow for predictive analysis and to help maximize uptime AND achieve OEE* objectives

9750 E Series continuous inkjet specifications



Print features

Mono-jet printhead
 G head (printing resolution: 71 dpi)
 M head (printing resolution: 115 dpi)
 W head (printing resolution: 71 dpi)
 Up to 5 lines of print
 Print speed: up to 1000 m/s
 Font height from 5 to 32 dots
 Character height: from 1.2 to 11.2 mm
 Wide choice of 1D and 2D barcodes: EAN8/ EAN13/ GS1-128/UPCA/UPCE barcodes, code 39, code 128, interleaved 2 of 5, Datamatrix, QR code
 Wide choice of characters: Latin, Arabic, Cyrillic, Hebrew, Japanese, Chinese, Korean, etc.

Other characteristics

Weight: 25 kg
 Table-top or vertical mounting
 Ultra-flexible 3-meter umbilical cable
 Stainless steel cabinet and printhead case
 Dust/water ingress protection rating: IP56 requiring no plant air
 Operating temperature range: 3 32 °F to 122 °F (0 °C to 50 °C) depending on ink used
 Humidity: 10 to 90% non-condensing
 Electrical power supply: 100-240 V; 1,6 A; frequency 50/60 Hz; 30 W

Operations

WYSIWYG 10-inch capacitive color touchscreen: real-time display of remaining print capacity expressed in hours and number of messages; integrated assistance and alert system; simplified message printing and management; creation of user profiles; tracking of consumption and printer availability
 Message library (up to 1,000 messages)
 Additional functionalities: metering, interleaving of 2 messages, on-the-fly production changes, quick access to counter setting, optimization of tolerance control, chimney characters, DIN mode
 Automatic selection of fonts, depending on print speed and printhead/object distance
 Specific date management (rounding date function)
 Parent/child connectivity
 Jet Speed Control guarantees marking quality
 Printhead with embedded intelligence for high marking quality and reduced maintenance
 Broad range of dye and pigment inks: multi-use, high performance; alcohol based, ketone-free and MEK-free inks
 Sealed 0.6 and 08-liter consumable cartridges with fool proofing system
 Compact and modular ink circuit for better thermal management and controlled additive consumption
 100% front access modular ink circuit for a simplified preventive maintenance
 Remote Services including MI Virtual Assistant for 24/7 self-troubleshooting and “how to” videos
 Quick connect/disconnect of accessories (photocell, alarm and encoder)
 Enhanced native connectivity including USB, Ethernet, serial and a configurable M12 connector for I/O

Remote services

Our intelligent self-support solution. Live helpdesk support with remote video capabilities.
 Markem-Imaje Connected Printer Services powered by a secure IoT platform**

Options

Ultra-flexible 6-meter umbilical cable
 IP66 protection (plant air required)
 Consumable saving mode for up to -60% additive consumption: at 20 °C less than 3,5 cc/h for MEK-based ink or less than 2cc/h for MEK-free ink
 Printhead pressurization kit
 Air blade kit
 Many I/O possibilities including a configurable single point connector (24 pins)

Accessories

Wide range of accessories
 Printer supports: stands (stainless steel or aluminum), table or wall mounting brackets
 Printhead supports: stand (stainless steel) and choice of brackets
 Photocells
 Pigment ink shaker
 Encoders
 Alarm beacons (24 V)
 Set of pre-cabled connectors M12, Ethernet IP66

Software

Fully compatible with CoLOS® Version 6.4 Service Pack onwards
 Logo creation with CoLOS® Graphics software
 *TCO: Total cost of ownership. VOC: Volatile organic compounds. OEE: Overall equipment effectiveness.
 **Internet of things, please check availability in your country



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