

the team to trust ■ ■ ■

Small character inkjet 9020, 9030 and 9040



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Global Communications – April 09

■ ■ ■ Summary



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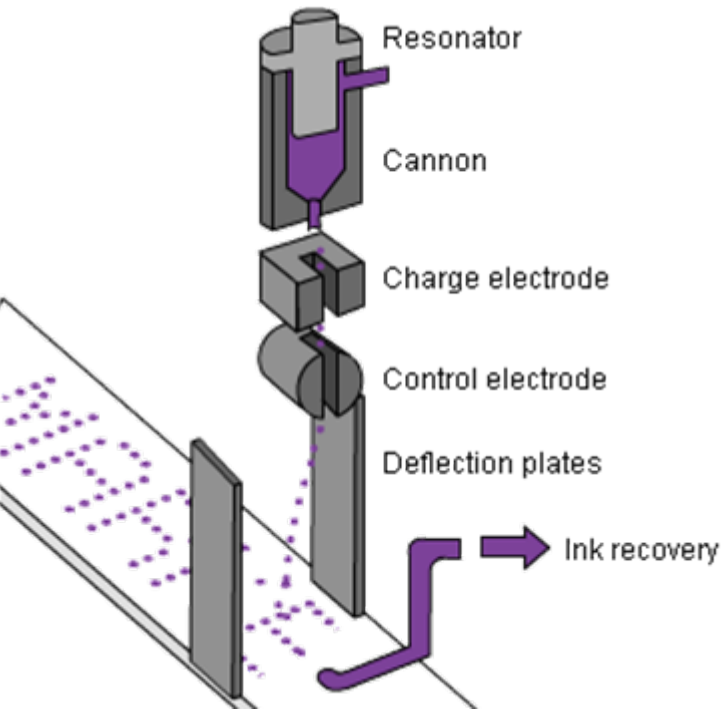
- **Technology**
- **Product in short**
- **Range**
- **Accessories**
- **Software**



Technology – How it works



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- In continuous inkjet printing, a piezoelectric device called a resonator transmits acoustic energy to the ink stream generating 62,500 drops of ink per second. Each drop, exactly the same size, is propelled by a stainless steel cannon through an electrode where an electrical charge is selectively applied. The charged drops are then deviated by deflection plates and used for printing. Uncharged drops are recycled back into the ink reservoir.
- **Markem-Imaje advantages:** Our unique **Jet Speed Control** system will ensure an optimal printing quality thanks to a permanent monitoring of the production environment. It automatically adjusts the inkjet speed to the ambient temperature.

Product in short - Simplicity



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- The best balance between **performance** and flexibility



- **Ergonomic design** with an intuitive user interface



Product in short - Quality

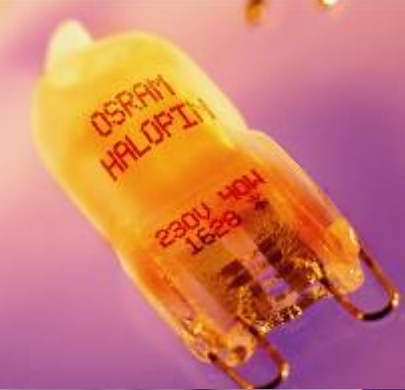


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- Printing on all types of substrates

- Print speed up to 8 m/s



- Printing resolution up to 178 dpi

- Suitable for humid and dusty environments



- 100% readable barcodes

- High printing quality for maximized automation



Product in short - Uptime



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- Unique **head cleaning system** to ensure trouble-free startup
- Easy change of the consumables without stopping marking operations



Product in short - Performance



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- Designed to meet customers' most demanding requirements



- Full stainless steel cabinet
- Standard IP54 cabinet
- **Optional IP65 cabinet**
- **Ethernet connectivity**



Product in short - Versatility



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Wide choice of options



- Mono or twin-jet

- Single or twin-head systems

- 3 printing resolutions

Product in short - Versatility



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- Wide choice of inks and colors

- Pigmented inks for high contrast printing on dark surfaces





4 main versions available

Click on the PDFs below to discover their specifications.

9020
small character inkjet printer

Our technology

Your benefits



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9030 / 9030 IPS
small character inkjet printer

Our technology

Your benefits



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9040 / 9040 S / 9040 IPS
small character inkjet printer

Our technology

Your benefits



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9040 Contrast
small character inkjet printer

Our technology

Your benefits



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A wide range of printing capabilities

Click on the PDF below to discover them.

Printing capabilities of small character inkjet printers

Marking and coding

Performance



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■ ■ ■ Accessories



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■ **The photocell** detects the object to be printed and sends a print signal to the printer

■ Specifications

Adjustable range:

- 0 to 1.7 m for reflex photocell

- 0 to 0.2 m for proximity photocell

Voltage range: 10-30 VDC

Protection class: IP65

Cable length: 6 m

■ **The shaft encoder** gives the printer an instantaneous measurement of conveyor speed in the form of pulses. This enables the print resolution to be precisely adjusted.

■ Specifications

Resolution:

-5,000 pulses/rev.

-2,500 to 40,000 pulses/rev. for the programmable encoder

Voltage range: 5-30 VDC

Protection class: IP65

Cable length: 5 m



■ ■ ■ Accessories



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- **The alarm beacon** can be connected to the printer to inform the operator about the machine status. They are particularly useful in highly automated production lines where operators are rarely near the machine.

- **Specifications**

Power supply: 24 V AC/DC

Protection class: IP65

Cable length: 3 m

- **The printer/printhead stands** have been designed to easily integrate the printhead into the production line in virtually any position making it easier to service the machine as well.



■ ■ ■ Accessories



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- Made of stainless steel, **the head protection kit** ensures a full head protection against water splashes, dust and mechanical shocks.

- **The marking gun** has been designed to print on bulky products for aerospace and automotive industries.

- Specifications

Voltage range: 15-30 VDC



Software



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- Markem-Imaje software and networking solutions are part of the overall global marking and coding offering.
- They ensure **product data integrity** to deliver the right message on the right product and optimize marking activities.
- They help **secure data entry, reduce human intervention and offer a data production central management system** capable of meeting a wide diversity of applications and needs.

■ ■ ■ www.markem-image.com



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*Thank you for
your attention.*

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