iM2 and iM4 Sample Applications

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Mail and Graphics

Printing on mail pieces reflects the quality of the company. With decades of Addressing and Direct Mail experience, Norwix has the right print solutions using the UV-curable iM2 and iM4 printers.

High speed and high resolution, bound together with proven reliability, give highly cost-effective addressing solutions.

Medical and Pharmaceutical

The high-resolution iM2 printer provides a versatile, cost-effective solution to meet the need for variable data printing on various materials—from film for contact lenses to coated boxes. Printing GS1 data, including alphanumerics, 2D data matrix, and QR codes, the iM2 and iM4 have the quality, speed, and reliability required by the pharma and medical industry.

Bottling Lines

Bottled products are moving towards more traceability capabilities, with the need to print sophisticated barcodes on the caps at very high speeds and with perfect clarity. From reducing labels to government-mandated individual tax stamps on each product, the iM2 has become the de facto coding solution for many of the world's leading bottlers.

Tamper-Evident Security Packaging

Tamper-Tamper-evident security bags are designed to make money and other high-value goods' transportation, processing, and storage processes as simple and safe as possible.

The iM2 integrates seamlessly into bag printing lines, replacing existing print technology and providing reliable and significant savings in maintenance, downtime, and consumables while giving stunning quality and permanence to all prints.
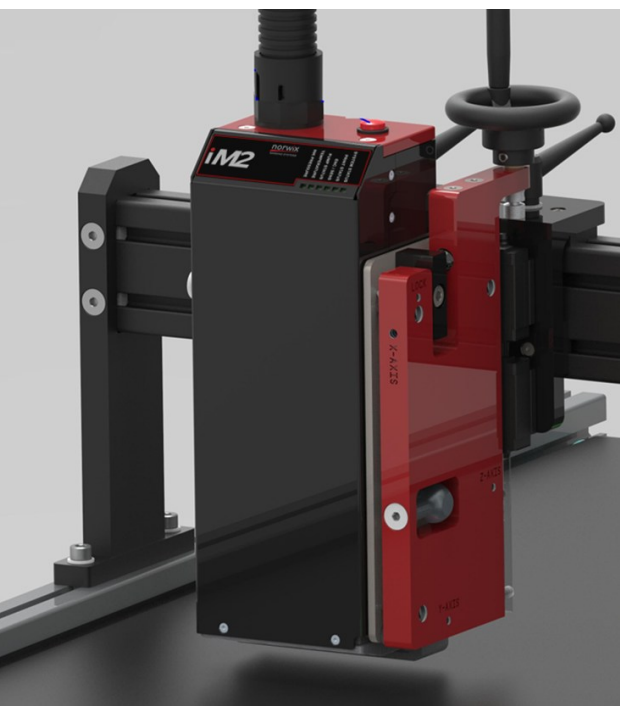
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iM2 and iM4 UV Curable Print Solutions

- ● Designed for Industrial Printing
- ● UV Curable printer
- ● Print speeds up to 1200 fpm
- ● Print width at 2.13" and 4.25"
- ● Lower Costs
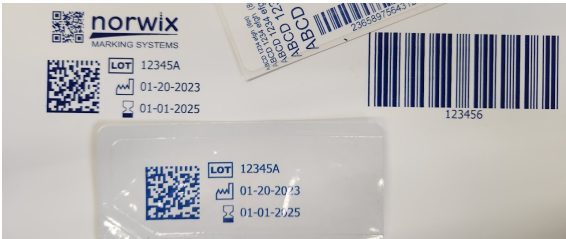- ● Higher Efficiency
- ● Smaller Size
- ● Greater Flexibility

High Performance UV Curable Print Solutions

Premium Capabilities at a Lower Cost

The iM2 and iM4 initial costs are significantly lower than other solutions, but this goes beyond simply the cost of hardware. Factoring in reduced maintenance, efficient use of inks, and reliability, both models have an incredibly low Total Cost of Ownership.

- **Lowest Cost UV Curable Print Solution**
- **Quickest ROI in the Industry**
- **Reduced Operational Costs**

High Quality, High Speed

The iM Series supports up to 600 dpi resolution, giving you maximum quality at all times - there is little that cannot be printed with incredible sharpness.

- **600 DPI Print Resolution (1280 print nozzles)**
- **Variable Drop Size Capability**
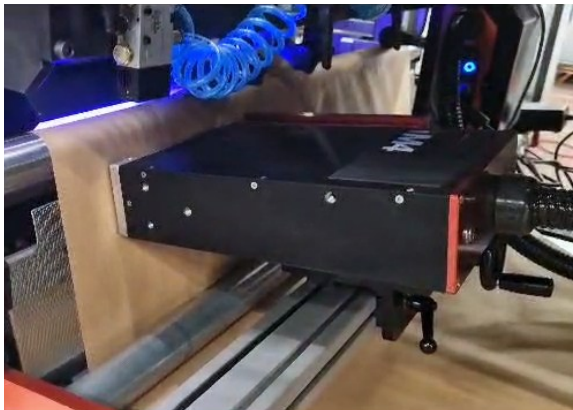- **Up to 1200 fpm Line Speed**

Simple to Integrate

With a compact footprint and flexible mounting options, upgrading existing print solutions with the iM2 is straightforward. Using 80/20 as the mounting bar, custom widths can be accommodated to meet any installation.

- **Installs Quickly into Existing Machinery**
- **Precision Mounting Gives Exact Control**
- **Small Footprint Allows for Implementing Multiple Head installations**

Print in All Directions

With the patented Ink Delivery System, the iM2 and iM4 can print in any orientation - vertically, horizontally, and even upside down. It will also print in shuttling systems without any depriming issues.
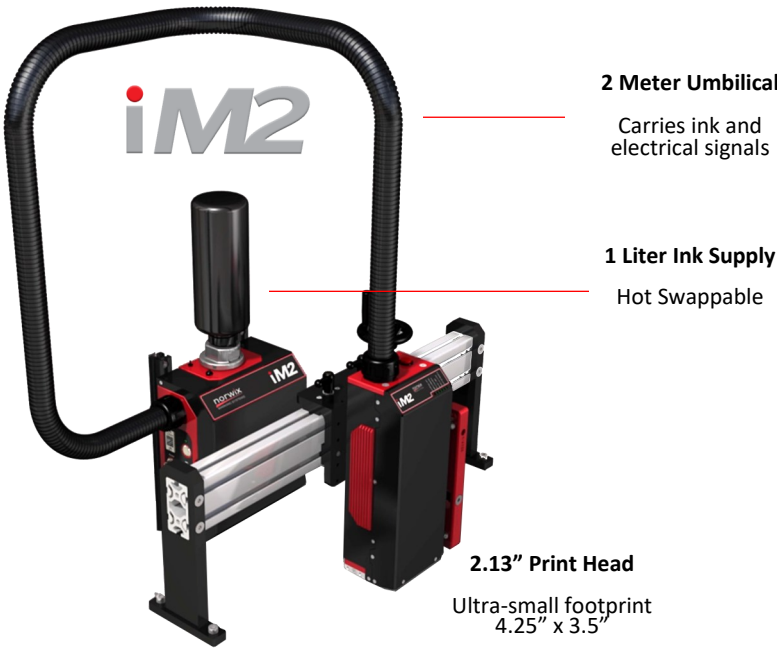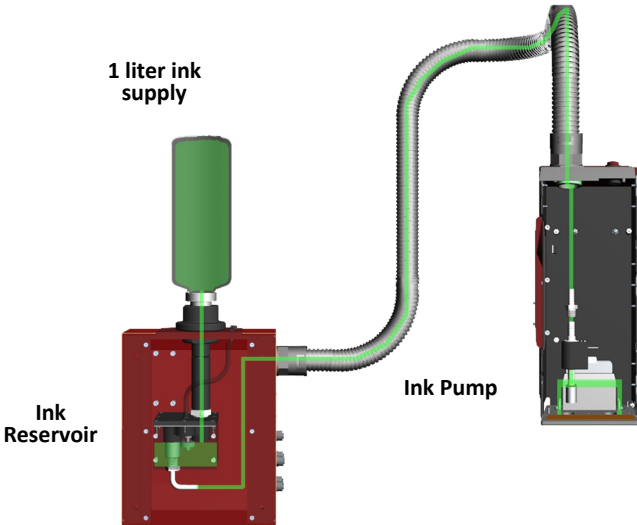

iM2 and iM4—Unmatched Print Technology

Patented Ink Delivery System

The ink system used in the iM2 and iM4 is sophisticated and highly reliable. The pump measures minute changes in pressure and delivers ink directly from the ink supply to the print head as ink is being used. No valves, air sensors, or multiple connections to create possible failure points. Just a solid performance.

- **Single Pump and Sensor for Ultimate Reliability**
- **Better Meniscus Accuracy for Higher Speeds**
- **No Gravity Dependance—Print in any Orientation**
- **Zero Maintenance - No Filter Changes ever!**

1 liter ink supply

Ink Pump

Ink Reservoir

2 Meter Umbilical
Carries ink and electrical signals

1 Liter Ink Supply
Hot Swappable

2.13" Print Head
Ultra-small footprint
4.25" x 3.5"

4.26" Print Head
Ultra Thin footprint
8.5" x 3.0"

Characteristic	iM2	iM4
Print Width	2.13"/54.1mm	4.26" /108.2mm
Resolution	600 dpi	600 dpi
No of Drops	1 to 3	1 to 3
Drop Volume	7 pl / 14 pl / 24 pl	7 pl / 14 pl / 24 pl
Frequency	60 kHz	60 kHz
Custom Colors	Yes	Yes

Horizontal Resolution	Max Speed *	
	m/min	ft/min
600	137	450
300	274	900
150	356	1,200

* speeds will vary with ink type and drop size