

# MAGNUM MAGNETICS. Magnetizers

UNITED STATES PATENTS

#8,410,881

#8,754,733

CANADIAN PATENT

#2,832,276

EUROPEAN PATENT

#2135265



**WARNING:**

Magnetizers contain strong, permanent magnets. People with sensitive life-supporting electronic equipment such as pacemakers or implantable cardioverter-defibrillators (ICDs) should not operate the magnetizer, and a minimum clearance distance of 12 inches from the unit should be maintained.

## MAGNETIZE POST-PRINT

Print Magnum's magnet media on your digital press and magnetize post-print with our selection of magnetizers.

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Magnetics**<sup>®</sup>

*The Force in Flexible Magnetics.*

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## Handheld Magnetizers

Diversify your product offering by including printed magnets.

- Magnetize magnetic sheeting after printing or lettering
- Operates manually; no electricity required
- 6" wide per pass magnetizer in easy-to-grip housing
- Perfect choice for low volume and occasional jobs
- Lightweight, durable and reliable, easy to store

## Portable Desktop Magnetizers

Increase your product offering by including digitally printed high-strength car sign magnets.

- Economical solution for magnetizing small jobs
- Integrated feed tray with feeding guide to ensure consistent magnetization
- Lightweight, durable and reliable, easy to store
- Magnetizes at 60 fpm (18.2 mpm) using high-energy and 50 fpm (15.2 mpm) with standard-energy.

## Industrial Magnetizers

Built to order in-house and can be used as a free-standing unit or integrated into your production, tipping, or inserting line.

- Perfect choice for volume jobs done on a regular basis
- Low maintenance, reliable, economical and easy to manually feed
- Custom pole spacing options and high-energy magnetizing option available



Motorized magnetizer shown with optional stand and tray accessories.

## In-Line Magnetization

Designed and custom built for your process.

- Includes a range of sizes
- Eliminates extra processes and reduces costly finishing time




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## Roll-to-Roll Magnetization

Magnum can also offer a magnetizing solution for roll-to-roll production methods. Please get in touch with us to discuss your needs.

## Handheld Magnetizer

Model #	Material Width	Magnetization Pattern*	Unmagnetized Digital Sheets**	Magnet Thickness	Minimum Pull lbs/ft <sup>2</sup> (kg/m <sup>2</sup> ) <sup>†</sup>
 <b>Standard Energy</b> HHM1200716PPI	No Limit	16 PPI (poles per inch)	DigiMag <sup>®</sup> Prime, Plus, Xtra, & Duplex	15 mil	40 (195)

\*Other pole spacing options are available.



\*\*DigiMag<sup>®</sup> Digital sheeting up to overall 20 mil (.51 mm) thickness with printable surface.

<sup>†</sup>Minimum pounds pull at zero air gap based upon standard poles per inch.

**General Specifications:** Comes with durable storage case, instruction sheet and view screen for viewing magnetic pole lines. 6" (152.4 mm) wide per pass magnetizing capability.

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## Portable Desktop Magnetizers

Model #	Maximum Material Width	Magnetization Pattern*	Unmagnetized Digital Sheets	Magnet Thickness	Minimum Pull lbs/ft <sup>2</sup> (kg/m <sup>2</sup> ) <sup>††</sup>
 <b>High Energy**</b> PDM16-HE	13" (330.2 mm)	16 PPI (poles per inch)	MuscleMag <sup>®</sup> Digital	15 mil	65 (317)
 <b>Standard Energy</b> PDM16-SE	13" (330.2 mm)	16 PPI (poles per inch)	DigiMag <sup>®†</sup> Prime, Plus, Xtra, & Duplex	15 mil	40 (195)

\*Other pole spacing options are available.

\*\*High Energy Magnetizer is for use on specially formulated MuscleMag<sup>®</sup> Digital high-energy sheeting 15 mil (.38 mm) and thicker.

<sup>†</sup>DigiMag<sup>®</sup> Digital sheeting up to overall 20 mil (.51 mm) thickness with printable surface.

<sup>††</sup>Minimum pounds pull at zero air gap based upon standard poles per inch.

**General Specifications:** Enclosed chain drive, constructed of stainless steel, aluminum and plastic. Approximate product dimensions: 19" long x 15" wide x 7" high (48.2 cm x 38.1 cm x 17.7 cm) (with case closed) **High Energy Weight:** 29 pounds (13.1kg), **Standard Energy Weight:** 20 pounds (9 kg).

**Power Requirements:** Uses standard 15A 120V outlet (actual power requirement 2A)

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## Industrial Magnetizers

Model #	Maximum Material Width	Magnetization Pattern*
<b>High Energy**</b> SM1103NHE-16	12½" (317.5 mm)	16 PPI (poles per inch)
<b>High Energy**</b> SM1103WHE-16	26" (660.4 mm)	16 PPI (poles per inch)
<b>Standard Energy</b> SM1103NSE-16	12½" (317.5 mm)	16 PPI (poles per inch)
<b>Standard Energy</b> SM1103WSE-16	26" (660.4 mm)	16 PPI (poles per inch)

\*Other pole spacing options are available.

\*\*High Energy Magnetizer is for use on specially formulated MuscleMag<sup>®</sup> Digital high-energy sheeting 15 mil (.38 mm) and thicker.

**General Specifications:** Magnetizes sheet widths up to 26" (660.4 mm). Variable speed up to 70 feet (21.33 m) per minute; Direct enclosed gear drive; constructed of aluminum, brass and stainless steel. Mobile floor stand with height adjustable from 28" (711.2 mm) to 40" (1016.0 mm) **Power Requirements:** 120 volt 3 amps

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