

MAGNUM MAGNETICS. Magnetizers

UNITED STATES PATENTS

#8,174,346

#8,410,880

#8,410,881

CANADIAN PATENT

#2,832,276

AUSTRALIAN PATENTS

#2008229069

#200822906

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**

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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 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




US Patents #8,410,880, #8,410,881; AUS Patent #200822069

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 ² (kg/m ²)†
 Standard Energy HHM1200716PPI	No Limit	16 PPI (poles per inch)	DigiMag® Prime, Plus, Xtra, & Duplex	15 mil	40 (195)

*Other pole spacing options are available.



**DigiMag® Digital sheeting up to overall 20 mil (.51 mm) thickness with printable surface.

†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.

US Patents #8,410,880, #8,410,881 | AUS Patent #2008229069

Portable Desktop Magnetizers

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

*Other pole spacing options are available.

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

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

††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*
High Energy** SM1103NHE-16	12½" (317.5 mm)	16 PPI (poles per inch)
High Energy** SM1103WHE-16	26" (660.4 mm)	16 PPI (poles per inch)
Standard Energy SM1103NSE-16	12½" (317.5 mm)	16 PPI (poles per inch)
Standard Energy 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® 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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