



Magnets | Material Handling
Electronic Inspection | Service

Material Handling Equipment

MPI helps you reduce the trauma of production delays by providing the most reliable parts handling and scrap removal equipment.

3	About MPI
5	Electric Shakers
7	Beltless Magnetic Conveyors
9	Steel Hinge Belt Conveyors
11	Central Scrap Systems
12	Magnetic Belt Conveyors
13	Magnetic Rails & Pulleys
14	Parts Handling & Workholding
17	Magnetic Filtration
19	MPI Customer Bill of Rights



For more information & product
data sheets visit us on the web at:
www.mpimagnet.com

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**MPI builds the “SCRAPINATOR” 1200 series
Beltless Magnetic Conveyor (BLM) for a large
stamping customer**



About MPI

Based in Metro Detroit Michigan, Magnetic Products, Inc. (MPI) designs, manufactures and services magnets, material handling and electronic inspection systems. MPI products are designed to be complete metal and foreign contamination control solutions for a number of industries, such as food production, metal forming and industrial processing.

MPI's safe and reliable equipment and service programs help its customers minimize downtime and protect brand integrity. MPI leads the industry by interacting closely with customers and expanding its offerings to meet the changes of a dynamic and ever-changing marketplace.

1989

MPI patents the magnetic can-laner conveyor and builds its first Beltless Magnetic Conveyor



1981

MPI begins operations in Walled Lake, Michigan



1993

MPI relocates to Highland, Michigan to a state-of-the-art manufacturing facility, doubling capacity

1995

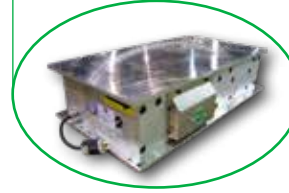
MPI expands its manufacturing facility, doubling capacity again

1998

MPI introduces its pneumatic shaker

2006

MPI patents the sealless pneumatic shaker conveyor and sealless pneumatic beltless magnetic conveyor, and introduces its next generation Electric Shaker



2015

MPI begins offering service plans for continued product performance and maintenance

2010

MPI patents its first generation Electric Shaker and builds the world's longest single beltless magnetic conveyor - 101 feet (photo on pg. 5)

2017

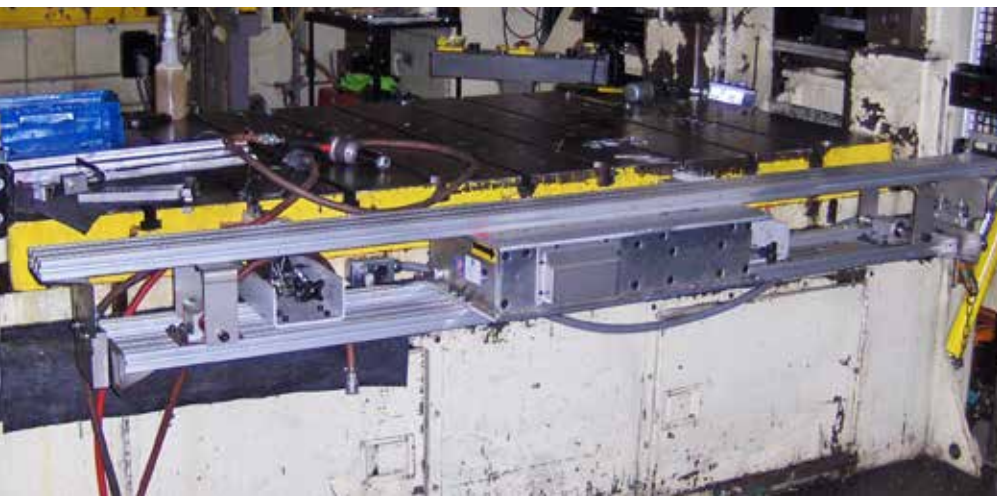
MPI standardizes all equipment on American-made drive packages

Why Choose MPI?

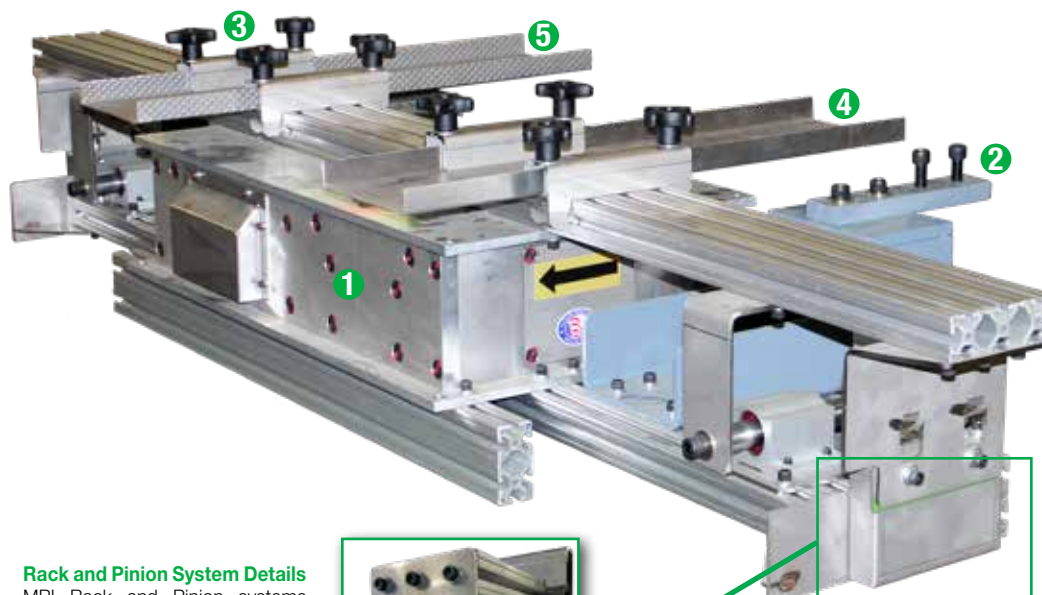


224' Beltless Magnetic Conveyor
Central Scrap System

- We believe that you shouldn't have to shut your production line down to repair support equipment;
 - MPI offers complete solutions for scrap handling applications
 - MPI's exclusive product offerings allow us to provide maintenance-free and turnkey solutions for any pressroom.
- We know quality. We have sold thousands of conveying systems that continue to operate reliably after nearly 30 years.
- We care about our customers. We have a 24/7 support line to support any and all of your needs in real time.
- We have decades of experience. When possible, we conduct testing prior to manufacturing, which means you can expect hassle-free, custom-made equipment.



Electric Shakers



Rack and Pinion System Details

MPI Rack and Pinion systems are designed to allow our electric shakers the ability to handle uneven or offset pan loads without damage. The rack and pinion design provides support so offset weight is evenly distributed no matter the mounting location on the cross bar. System shown with cover removed.



- ① M-200 Motor Driving 6' Crossbar Rack and Pinion System (shown)
- ② Quick Connect T-Slot System Mounts
- ③ Quick-Release Pan Mount Brackets
- ④ Smooth Pan
- ⑤ Rigidized Pan

Optional Quick-Connect Cart



Key Features

- **Plug and play** – 110V plug and T-slot install
- **Efficient** – Up to 71% more efficient than pneumatic designs
- **Reliable** – MPI Electric Shakers deliver years of trouble-free service
- **Quiet** operation
- **Simple** on/off power switch and breaker
- **Heavy-duty** billet aluminum construction
- **No air or lubrication** required
- **Exclusive rack and pinion design** delivers the highest level of reliability on large multi-pan systems up to 15' wide

MPI's patented Electric Shaker is the safest and most efficient way to convey scrap and parts. Better scrap removal leads to improved employee safety and helps safeguard machinery.

Electric Shakers are ideal for above- and below-ground scrap management systems. Simple in design, yet extremely rugged and tough, Electric Shakers convey anything from fine metal to the most destructive scrap pieces. MPI's patented design allows for silent operation and excellent scrap transfer speeds to keep up with even the most challenging scrap handling jobs. Electric Shakers eliminate the downtime associated with other types of scrap handling systems. And given that they do not rely on costly plant air, the expense of operation is dramatically reduced.



	M-10	M-50	M-200	M-1000
Max Cross Bar Width	up to 18"	up to 36"	4' to 15'	Single Pan
Turn Key (T-Slot Mounts, Crossbar)	✓	✓	Rack and Pinion Only	✓
Weight Capacity (LBS)	10	50	200	1,000 - 10,000
Power	110V	110V	110V	110V
Motor Size (H x W x D in IN)	4 x 13 x 8.38	5.63 x 17.25 x 8.63	6.25 x 27.25 x 14.5	Varies
On/Off Power Switch	✓	✓	✓	✓
Pan Load Installation	Balanced	Balanced	Unbalanced w/ Rack & Pinion	Single Pan
Rack & Pinion Compatible			✓	
Conveying Speed	20 FPM	20 FPM	20 FPM	Variable
Multi-Pan Compatible	✓	✓	✓	

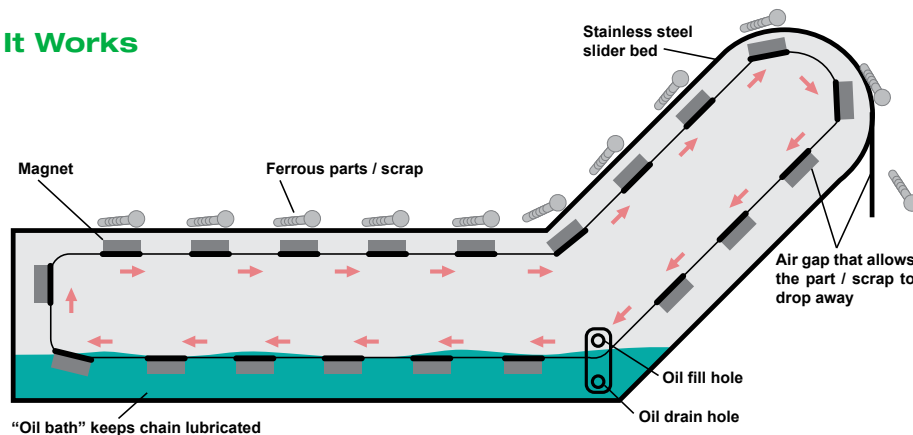


In 2010, MPI built the world's longest Beltless Magnetic Conveyor, at 101 feet

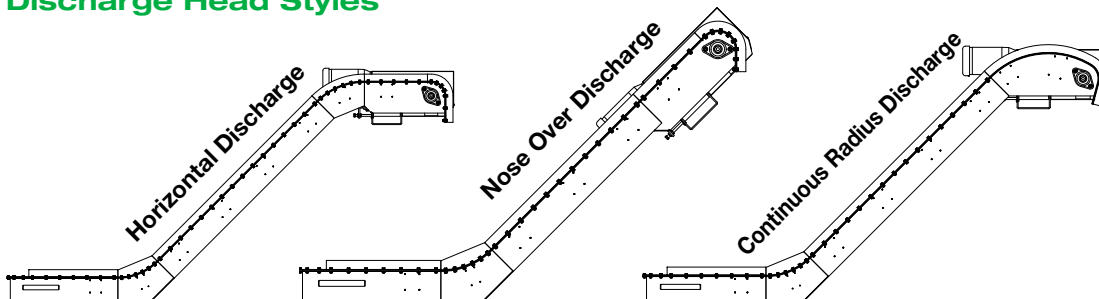
Beltless Magnetic Conveyors



How It Works



Discharge Head Styles



MPI's Beltless Magnetic Conveyors (BLM) are the safest and most efficient way to convey ferrous metal. BLMs feature internal magnets enclosed in UHMW cartridges that eliminate metal-on-metal friction, encased in a sealed, liquid-tight enclosure resulting in a near 100% maintenance-free design. The internal oil bath lubricates all internal moving components to promote ongoing reliability. MPI understands that a one-size-fits-all solution does not exist; we create custom magnetic circuit designs using Ceramic 8 or high-intensity rare earth magnet material specifically suited for each and every application. Our experts will also be on-site for testing to ensure a successful startup at your facility.

Key Features

- **Wear and impact resistant slider bed** – Minimum 12 gauge stainless steel slider bed (7 gauge for over 18" wide or manganese option)
- **Optimized for minimal magnetic drag** – Magnets enclosed in UHMW wrapper, internal stainless magnet supports and welded stainless motor mount
- **Automatic chain tensioning** – Internal take-up maintains tension for life of unit and is enclosed to keep debris out of moving parts
- **Best in class track system** – Welded structural steel angle and stainless in convex and concave (high wear areas) – No UHMW track or laminated light gauge steel channel
- **American made drive packages**

	BLM-600	BLM-800	BLM-1200
Body Depth (in)	6.5	8.5	13.875
Magnetic Strength	•	••	•••
Magnet Centers	5"+	6"+	8"+
Chain	#2052	#2062	#2082
Body Construction	11 Gauge	11 Gauge	7 Gauge
Standard In-feed Length	30"		
Self Adjusting Take-Up	✓	✓	✓
Slider Bed Gauge*	12 Gauge	12 Gauge	7 Gauge
Slider Bed Width	6" - 24"		
Angle of Incline	0 - 90° (15° increments)		
Speed	45 FPM		
Magnet Material	Ceramic (rare earth as required)		

*Note: All slider beds over 18" wide will be 7 gauge



Steel wire mesh also available

Steel Hinge Belt Conveyors



MPI's Steel Hinge Belt Conveyors (SBC) are perfect for conveying a wide range of materials in demanding conditions. Steel Hinge Belt Conveyors offer a competitive, heavy-duty design to handle a wide range of both ferrous and non-ferrous materials. Ideally suited to industrial applications involving the transport of high temperature and/or oily parts, MPI's SBC conveyors are a great low-maintenance option for moving scrap, steel chips, fasteners, etc.

Standard designs are available in a variety of sizes and configurations to meet your application and include plain, perforated, pimpled or pimpled and perforated aprons. SBC conveyors are offered with many design options and can also be supplied with other ancillary components, such as feeders and hoppers, to provide a complete material handling system.

Key Features

- Pitch sizes from 2.5" to 6"
- Belt widths from 6" to 36"
- Belt options: plain, flat top, pimpled or perforated belts
- Various cleat sizing and spacing available
- Custom engineered designs using standard components
- Effectively conveys all types of metals in tough environments of heat, impact and abrasion
- Longer life and smoother performance with heavy-duty side frames
- Built in torque limiter
- Interlocking belt sidewings prevent jamming of material
- Flanged roller options: none, every other, or all



Specifications			
Pitch	2.5"	4"	6"
Frame Depth (IN)	8.5"	15.25"	23.25"
Frame Gauge	12	10	Channel
Driver Size	6 Tooth	6 Tooth	6 Tooth
Duty	Standard	Heavy	Extra Heavy

Note: All other measurements are variable on customer selections and customizations



Central Scrap Systems

Removal of scrap metal is a vital, constant and costly function faced by plant managers. MPI turnkey central scrap systems can efficiently transfer scrap material from press to bin without human intervention or downtime. With an MPI central scrap system installed, plant managers only need to ensure that the scrap bin is being hauled away, allowing them to focus on production.

Above or below ground, MPI has multiple solutions to configure the ideal turnkey scrap handling system for your production layout and requirements. Common components include:

- Scrap conveyors installed on press
- Central system collecting scrap from all presses
- Elevator conveyor
- Scrap distribution system
- Controls



shown — drive section

Linear System Options				
Conveyor Type	Rate Limit	Cost	Durability	Scrap Material
Steel Hinge	Unlimited	•••	•	Any
Beltless Magnetic	Limited	•••	••	Ferrous
M-1000 Shaker	Unlimited	••	•••	Any

Elevator Conveyor Options				
Conveyor Type	Rate Limit	Cost	Durability	Scrap Material
Steel Hinge	Unlimited	•••	•	Any
Beltless Magnetic	Limited	•••	••	Ferrous
M-1000 Shaker	Not Available			

Scrap Load Out System Options				
Type	Cost	Even Scrap Distribution	Automation	Controls
None	•	•	•	None
Adjustable Chute	••	••	••	Optional
Transfer Conveyors	•••	•••	•••	Required

M-1000 Series Shaker Specifications

- Length: 25-350' in 8' sections
- Width: Standard 24" wide pan, up to 36" wide
- Drive: Center mounted, unless required otherwise by installation
- Patented design allows for near silent operation and excellent scrap transfer speeds to keep up with even the most challenging scrap handling jobs
- RST Bearings are maintenance-free, reduce metal contact points or friction locations and do not generate noise
- Stanchions anchored to floor with concrete anchors
- Electric operation is very efficient for reduced utility costs
- High load capacity is suitable for any scrap management situation



Magnetic Belt Conveyors

MPI's Magnetic Belt Conveyors provide effective control of ferrous objects on high speed horizontal, inclined and vertical conveyor belts.

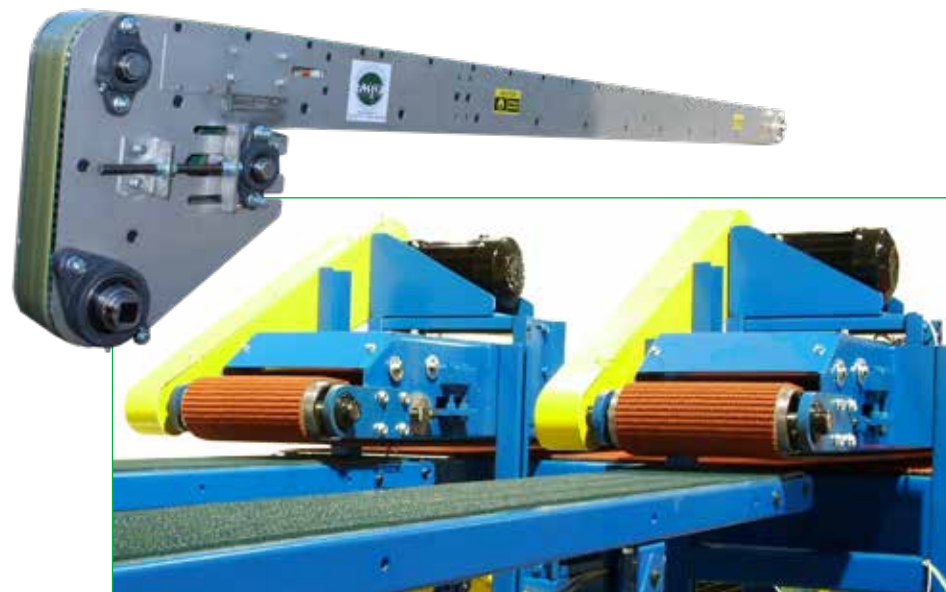
A permanent magnetic rail located beneath the conveying belt surface attracts the ferrous objects to the belt. MBC conveyors are offered with many design options and can also be supplied with other ancillary components, such as feeders and hoppers, to provide a complete material handling system.

Key Features

- Standard belt widths from 4" to 24"
- Belt take-up adjustable to 6.0"
- Standard inclines are available from 15° to 75°, in 15° increments
- Standard drive system can be mounted above, below, or on either side
- 6" height standard; low profile designs available
- "On/off" magnet designs, using permanent or electro magnets



**Vertical Can
Handling Transfer**



Product Video on
mpimagnet.com

Table Top Conveyor

MPI's table top conveyor is ideal for conveying a variety of parts. Table top conveyors can be designed for any environment including clean room and heavy industrial. This unit provides an economical solution to a wide variety of applications requiring calm transportation including:

- Cans and bottles
- Jars and glass
- Plastic containers
- Cartons
- Parts

Some options include:

- Mild or stainless steel
- Adjustable or fixed side guides
- Non-standard guide heights
- Horizontal transfers in angles or turns
- Vertical transfers (ferrous parts)
- Covers



Magnetic Box Rails & Pulleys

MPI's Magnetic Box Rails are designed for easy installation into new or existing belted conveyors or other material handling equipment. Magnetic Box Rails are used to hold and position ferrous or partially ferrous parts. They are ideal for use in "can handling" conveyor systems. The rail's strong magnetic field is completely contained within the working surface and is extremely effective in applications which require a high "reachout" magnetic field.

Magnetic Box Rails are usually mounted in tandem with magnetic pulleys and other rails beneath a conveyor belt. The standard design provides quick installation to conveyor framework or table and can be custom designed and manufactured to fit your specifications. Magnetic Box Rails are used to:

- Save floor space by elevating parts vertically
- Change direction of moving parts quickly
- Control the speed of moving parts
- Stabilize and hold parts in position
- Magnetically separate ferrous from non-ferrous parts

Customizable Options

- Rigidized face plate
- Angled in-feed and discharge ends, to match pulley
- Tapering magnetic fields
- Curved rails for 30°, 45°, 60° or 90° turns and inside or outside radii from 4" to 72"
- Custom face plate flanges
- Custom mounting holes
- Non-standard magnetic polarities
- Multiple lane magnetic fields
- Rare earth magnet material
- Seamwelded liquid-tight construction



	Specifications			
	Width	Thickness	Length	Tap Distance
	IN	IN		
BR-2	2.63	.563	Built to customer specifications (up to 8')	Built to customer specifications
BR-4	4.19	.812		
BR-6	4.19	1.06		
BR-8	4.19	1.31		
BR-12	4.19	1.94		
BR-16	5.19	2.56		
BR-24	8.19	4.06	Built to customer specifications (12" on-center in backplate standard)	Built to customer specifications (12" on-center in backplate standard)
BRT-2	2.625	0.562		
BRT-4	4.187	0.812		
BRT-6	4.187	1.060		
BRT-8	4.187	1.312		
BRT-12	4.187	1.937		
BRT-16	5.187	2.560		
BRT-24	8.187	4.062		

Parts Handling & Workholding

Sheet Separators

MPI sheet separators are designed to improve productivity and employee safety in sheet handling operations. These magnets can also provide significant benefits in reducing costs by eliminating “doubles” when handling oily, sticky or prefinished sheet stock in an automated stamping, forming or blanking operation. Sheet separators utilize the basic laws of magnetic “like poles” repelling characteristics in their use and operation. By inducing “like” magnetic fields into a stack of steel sheets or plates, repelling forces are created from sheet to sheet, forcing them to separate from each other.

Manual Sheet Separator (SS)

Permanent, always “on” design is the most economical solution and should be sized for the maximum height of the stack.

Pallet Pin Stack Tracker (STSS)

The STSS series is the safest manually operated sheet separator available. These units properly separate sheets while eliminating pinch points during operation. Simply slide the housing over the pin and attach the Stack Tracker to the side of the stack of blanks, near the top. As blanks are removed, the Stack Tracker will work its way to the bottom of the stack, fanning individual blanks as it moves.

Pneumatic Automated Fanner Magnet (PAFM)

Automated fanner magnets are designed for high-volume, PLC-operated production lines. Unlike traditional sheet separators, an exclusive rack and pinion system rotates the magnet away from the unit face, totally eliminating any residual magnetic field and allowing for safer and more consistent movement of metal sheets.

- Designed specifically for fully automated production lines
- Eliminates any residual magnetic field when off
- Increases productivity and efficiency
- Enables easier handling of oily, sticky and/or polished sheets
- Powerful rare earth magnet for fanning large sheets
- Compact and lightweight design for simple mounting to end-of-arm tooling
- Pallet pin mounting bracket available
- Loss of air returns magnet to “safe” handling position, alleviating potential injury

Model	Operation	Material	Cost	Installation
SS	Always on	Ceramic	•	Bolt to floor or pallet
STSS	Manual on/off	Rare Earth	••	Pallet pin
PAFM	Automated	Rare Earth	•••	Flexible (floor, pallet pin or robotic)

Reference specific datasheets for guides on proper model selection.



Lifting Magnet



Lifting magnets make moving material easier without deforming or damaging the load. MPI workholding tools are versatile, compact and easy to operate. They replace ropes, chains and clamps because of the ability to easily control the magnet and the strong force. MPI Lifting Magnets are permanently magnetized so they do not need electricity to operate.

1 Minimal Mechanical Fasteners

- Strong welded design features compact body with only two recessed handle screws – no load bearing screws to come loose

2 Fully Welded Durability

- Stainless steel robust lifting eye permanently welded to the body – will never come loose

3 Simple Operation

- Simple Easy Switch control switches magnet on and off easily, quickly and safely with one hand

4 Safety Factor

- 3X safety factor – every lifter is individually tested to meet load specifications and the results are recorded by serial number
- Professional quality tool – a must for businesses with a formal safety program, you are buying the safest technology available today for your workforce

Five Year Warranty

- Only lifter in the industry with a five-year warranty on the magnetic system

European Quality

- Manufactured in Europe to the highest quality standards

Testing

- Air Gap Test - tear-off test is conducted with an air gap that simulates real operating conditions - true capacity

Free Re-Certification

- Annual lifter re-certification service available from MPI – verifies lifting performance meets product specifications and may be used for your company's annual OSHA lifting safety compliance program

Model	W (in)	L (in)	H (in)	Ø of eye (in)	Weight (lbs)	Tested Lifting Capacity	Workload Limit flat materials	Workload Limit round materials	Ø min/max (in)
LM-0150-REN	2.4	3.7	4.7	0.4	6.6	992	330	143	2/4
LM-0300-REN	3.9	6	7.1	0.6	22.1	1,984	661	330	2.4/7.8
LM-0600-REN	4.7	9.7	7.1	0.8	46.3	3,968	1,322	661	2.5/10.6
LM-1000-REN	5.8	12.1	9.3	0.8	88.2	7,054	2,204	1,102	4/11.8
LM-1500-REN	6.5	14.7	10.8	0.8	152.1	10,361	3,306	1,653	6/13.7
LM-2000-REN	6.5	18.8	10.8	0.8	198.4	13,668	4,409	2,204	6/13.7

Permanent Magnetic Parts Lifter



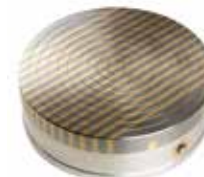
MPI's Permanent Magnetic Parts Lifter is designed for ferrous parts and the direct replacement of vacuum cups located on ferrous parts transfer systems. Powerful rare earth magnet is activated by air pressure. An air solenoid controls both on and off operation by connecting flexible airlines to the quick disconnect fittings. Short bursts of air ranging from 40-60 PSI is all that is required to operate the unit.

PMPL Model #	Height	Diameter
PMPL-175-250-REN-S	2.50"	1.75"
PMPL-300-350-REN-S	3.50"	3.00"
Holding Values		
Material Gauge	PMPL-175-250-REN-S	PMPL-300-350-REN-S
26 Gauge	5.0 lbs	20.5 lbs
18 Gauge	5.25 lbs	30.5 lbs
12 Gauge	6.0 lbs	34.0 lbs
7 Gauge	6.5 lbs	36 lbs.

All values are maximum breakaway. To maintain safety standards, lift magnets should be used at 1/3 of their breakaway capacity.

Round Chucks

MPI's line of round magnetic grinder chucks provide a secure work space during workpiece turning and circular grinding.



Double Ceramic

- Small pole pitch and a low magnetic field make it suitable for thinner workpieces depending on the chuck diameter or pole
- One solid unit top plate construction provides no risk of coolant leakage
- High regrinding limit



Rare Earth

- High holding force and watertight top plate
- Small pole pitch and a low magnetic field make it suitable for thinner workpieces depending on the chuck diameter or pole

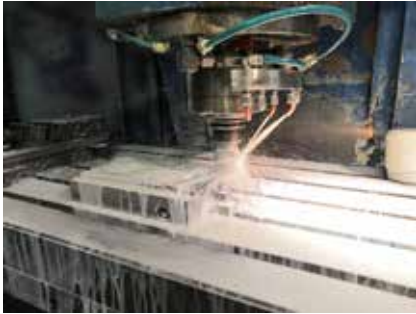


Double Rare Earth

- Designed for turning and grinding round and ring-shaped workpieces
- Top plate with radial poles offers the possibility to machine the front, inner and outer diameter of the workpiece in one operation

Square Chucks

MPI's line of square magnetic chucks provide a secure work space during workpiece turning, milling and grinding.



Rare Earth Compact Milling

- Neodymium magnets provide strong and high holding force in difficult applications
- Micropitch pole division hold very small components
- Simple, low maintenance clamping device
- Compact dimensions and a high holding force for milling, drilling or heavy grinding of relatively small workpieces

Rare Earth Surface Grinder

- Accessory to grinders intended for precise surface grinding of very small, thin parts up to large workpieces and electrical discharge machining (EDM)
- High use value and long life span from an unparalleled regrinding limit
- Holding surface with uniform distribution of the magnetic force right up to the edges

ElectroPermanent Mastermill Milling

- Versatile magnetic chuck for milling and drilling of both small and large workpieces
- Using pole extensions, the material can be machined from five (5) sides, drilled through, and uneven material can be machined as well



Other Industrial Services Include:



Product Testing

The MPI test center features a wide range of metal control equipment and allows MPI to validate customer applications for separation rates, detection performance levels and proper conveyance of parts. Utilizing this extensive test facility has allowed MPI to deliver solutions that meet customer expectations for over 30 years.



Installation & Startup

To ensure best performance and valid warranty claims, MPI recommends adding installation and startup services to your purchase. Your premium MPI product without the proper installation risks malfunction and/or premature

replacement. MPI has trained technicians that are knowledgeable and efficient meaning less time on-site, keeping your costs down and satisfaction high.



Equipment Rebuilds

MPI has the capability to offer services on all types of equipment including retrofits, repairs and complete rebuilds. Some of our most popular services include:

- Electric Shaker repairs
- Beltless magnetic and belted conveyor rebuilds, including competitors units
- Electromagnet repairs and oil changes, including competitors' units

Pneumatic Switchable Permanent Magnet



MPI's Pneumatic Switchable Permanent Magnet will hold your workpiece in place with a strength previously unattainable. This workholding magnet delivers four to ten times the holding power of competitive products.

- Superior performance part holding of laser welded blanks
- Low cost operation
- Extremely reliable – life cycle tested to >5,000,000 cycles to date
- Shear holding force is 4X–10X stronger than competitors' electro-magnet
- Shear force is comparable to hydraulically switched magnets
- Results in increased productivity and quality, reducing rejected parts
- Top clamping mass enhancers are not required for operation

TableTop Demagnetizer



MPI Tabletop Demagnetizer (TTD) is recommended for quick and simple demagnetization of flat and small cylindrical components. The TTD allows for manual demagnetization as well as easily integrated into a production line for instance under a conveyor belt.

- Lightweight aluminum body
- Stainless steel top plate
- Double pole switch with signal light
- Power cord 9' with plug
- Input voltage: 110V/60Hz 352 VA
- Features large effective area
- Automatic increase of demagnetizing field with workpiece volume
- Field penetration up to 40mm/ 1.57"
- TTD available in hand, table and tunnel versions
- Enlarge work area by adding more demagnetizers side by side

Magnetic Filtration

Coolant Cleaner



MPI's Coolant Cleaner is ideal for production runs of ferrous material on cutting and grinding machine tools. Simple and automatic cleaning, the powerful Ceramic 8 magnet drum sits partially submerged in the coolant flow so all liquid comes into contact with the high intensity magnetic field. Ferrous contaminant attaches

itself to the rotating drum where it is then continuously cleaned by a profiled scraper. The contaminant is pushed along the scraper until it falls into a bin. As the contaminant is pushed along the scraper, it compresses and excess liquid drains back into the tank leaving the solids almost dry. Cost effective and durable, this separator extends the life cycle of machine tools and their coolant. It provides increased productivity with less downtime for machine coolant replacement. This Coolant Cleaner works with water based coolants or straight cutting oils.

Coolant Cleaner Specifications

Model	Approx. Capacity/GPM				Magnetic Drum Size				Approx.	
	Water Soluble		Oil 100 SSU		Diameter		Width		LBS	KG
	Contamination		Contamination		IN	CM	IN	CM		
	Light	Heavy	Light	Heavy						
CC-06	20	15	15	10	4.625	11.75	6	15.25	65	29.5
CC-12	40	35	25	20	4.625	11.75	12	30.5	135	61.25
CC-18	65	50	40	30	4.625	11.75	18	45.75	175	79.25
CC-24	85	70	50	40	4.625	11.75	24	61	225	102
CC-36	130	100	80	60	4.625	11.75	36	92	350	159

Contamination Scale: Light to Medium = approx. 1/8 lb per gallon

Medium to Heavy = approx. 1/8 lb to just under 1/2 lb per gallon



True plug and play filtration! In-take fluid system keeps coolants calm, allowing contaminants to contact the roll at a lower velocity for improved magnetic filtration. MPI's integrated, indexing magnetic roll never needs replacement. Eco-Flow's adjustable blades allow for maximum magnet cleaning and coolant recapture, eliminating the need for plastic squeegees. Eco-Flow also features an automatic coolant level sensor that monitors the level of incoming fluid to maximize filtration and avoid coolant overflow. There is also a bypass that eliminates potential spills in case of electrical or mechanical failure. Surrounding areas stay clean and potential accidents are prevented.

- System ships complete with magnetic roll, scraper system, fluid tank, inlet port (sized to specifications) and controls
- Plugs into a standard 110V outlet

Eco-Flow Specifications*

Model Number	GPM		Magnet Roll Width		Unit Length		Unit Height		Unit Width		Unit Weight	
	Water Based	Oil Based**	IN	CM	IN	CM	IN	CM	IN	CM	LBS	KG
Eco-Flow 7	29	15	7	17.8	41.2	104.6	56.7	144	21.3	54.1	500	227
Eco-Flow 11	46	23	11	27.9	41.2	104.6	56.7	144	25.3	64.3	550	250
Eco-Flow 19	80	40	19	48.3	41.2	104.6	56.7	144	33.3	84.6	600	272
Eco-Flow 38	160	80	38	96.5	41.2	104.6	56.7	144	52.3	132.8	650	295

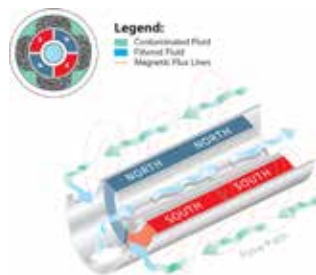
*For highest performance separation, derate 20 - 25%. Rates shown are based on physical capacity. Lower rates may be required, depending upon flow characteristics, volume of contaminants and efficiency desired.

**Up to 100 SSU.



Eco-MAG

The Eco-Mag® removes magnetic and paramagnetic contamination, down to sub-micron size, from lubricants, coolants and other industrial fluids. The Eco-Mag extends fluid life, reduces disposal costs, improves product accuracy and finish, and reduces machine and part wear. Magnetic technology substantially reduces both the need to buy costly consumables and the associated downtime required to change paper filters.



The patented Eco-Mag is easily integrated into pressurized shop fluid lines before or after the pump. Eco-Mag utilizes magnetic technology to separate steel turnings, chips and/or swarf from fluid such as coolant. As the fluid flows over the magnet, ferrous swarf is attracted and secured. Using the cleaning tool, a fully contaminated magnet can be cleaned in under 30 seconds.



Key Benefits

- The unit does not require consumables, resulting in lower operating costs
- Reduced environmental impact, no need to dispose of dirty cartridges
- Lengthens coolant life; coolant disposal/replacement cost reduction

Go to our website to check out the Eco-Mag Cleaning Station and accessories!

Eco-Mag Model #	Height	Diameter	Connection	Max. PSI	Max. Flow Rate	Max. Temp
	IN	IN	NPT (IN)		GAL/MIN	°F
ECO5 /1.0	7.5	3.7	1	174	18	41-122
ECO10 /1.0	12.4	4	1		26	
ECO20 /1.5	23.9	4	1.5		40	

Automag



The patented Automag unit is the latest generation of self-purging high intensity magnetic filters for high flow, high contamination industrial applications. It has two flow chambers. Fluid enters the inlet chamber where the primary filtration takes place. The partly treated fluid flows into a second chamber where it is slowed down for the final filtration treatment. It then returns to the process. Installing Automag will improve your manufacturing effectiveness and reduce operator intervention. Using fully filtered fluid, free from micron sized particles will:



- Improve surface finish
- Extend tool/wheel life
- Improve fluid flow
- Cut costs on scrap reduction
- Reduce downtime

All applications where pumped cutting fluids are used will benefit from installing the Automag.

Automag Model #	Flow Rate	Contamination Capacity	Connection Flange	Overall Height	Overall Width	Product Flow Inlet
	GAL/MIN	LBS	IN	IN	IN	IN
AMC	52	5	1.5	28.7	11.8	7.9
AM6	119	15	2	42	17.7	10.8
AM12	238	30	3	45	24.4	15.9

MPI CUSTOMER BILL OF RIGHTS

To assure you that choosing MPI can be done with complete confidence, we stand behind our products with the industry's best policies and guarantees that make doing business with MPI easy and risk-free.

The MPI Customer Bill of Rights is like a benefits package that starts the moment you first speak with us and extends long after your equipment installation. When you do business with MPI we guarantee your rights to:



COMPLETE SATISFACTION

Our equipment will achieve the results for which they were designed and manufactured. If you encounter any issue, we will make it right. Family owned and operated since 1981, we stand behind our products and treat our customers like part of the family.



EDUCATION

You have the right to understand the technology you are buying, including the alternatives. We pledge a continued focus on education that empowers you, the customer, to have the facts to help you select what is best for your application.



THE BEST QUALITY

Our products are built with the best available designs, materials and workmanship to provide the best metal control results in your application. From concept to final product, we design our equipment to the highest standards with the lowest total cost of ownership.



CHANGE OR TRADE-UP

We understand that production requirements change and sometimes you just wish you had ordered that extra option after your product is installed. For example, you just installed your quick-clean design but should have had ordered a self-clean design. No problem, just let us know and we will work it out.



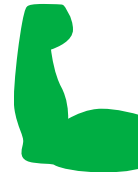
EXPERT SUPPORT BEFORE THE SALE

Our focus on education is not just for you, the customer. We also focus on continuous internal training to ensure we have the most competently trained product and application experts available. Our qualified team will guide you through the product selection process, ensuring you end up with the right product and options for your application. For fast, expert help:

Call: [1.248.887.5600](tel:1.248.887.5600)

Email: info@mpimagnet.com

Live Chat: M-F 8:30am-5pm EST @ www.mpimagnet.com



LIFETIME SUPPORT

For as long as you own an MPI system, MPI Metal Control Experts are on-call to provide technical support regarding installation, start-up, optimization, and testing needs for your entire metal control system. We will even assist with your non-MPI brands.



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2nd or 3rd shift need support? Our 24/7 service line connects you directly with an on-call MPI Expert. Call the main line at [1.248.887.5600](tel:1.248.887.5600) and press 9.



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Over the last 10 years, 99% of our shipments have been delivered on or before our promise date. If you need a product before our quoted lead time, let us know and we will do everything we can to make it happen.



FAIR PRICES

We are committed to providing premium products at the best value. If you receive a competitive quote with a lower price for an "apples to apples" product, we will match it - plain and simple.



THE CHIEF

Really, our head honcho cares about your experience with MPI. If you have any feedback you'd like to share here is your open invitation to contact our Vice President of Sales & Marketing, Kyle Rhodes, at rhodes@mpimagnet.com.



Magnets | Material Handling
Electronic Inspection | Service



MPI Headquarters

683 Town Center Drive
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Customer Service

1.248.887.5600
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Website

www.mpimagnet.com
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