



**Providing Magnetic Solutions
For the Material Handling Industry**

Standard Features:

- Conveyor Frames & Chain Guides are laser cut to precise tolerances
- Conveyor Frames are 11 Ga. minimum
- Slider Beds are 12 Ga. Stainless Steel and sealed liquid tight
- 7 Ga. Stainless Steel slider beds on units 18" wide & wider
- 2" Tall side guides standard
- Slider Face attachment Nuts & Bolts are on 1 1/2" spacing for radius and 4" spacing for straight sections
- Internal Magnets are enclosed in specially formed UHMW cartridges for integrity & reduced friction
- Powerful Ceramic 8 Magnet Material
- Internal Oil Bath lubricates all internal moving components for quiet, trouble free operation

- Self-Adjusting Chain Tensioning system standard
- 1/2 HP 230/460 V 3 Phase motor with Gear Reducer and Torque Limiter standard

Optional Features:

- Rare Earth Magnet assemblies
- Ridgidized Stainless Steel Slider Beds
- 7 Ga. Impact Plate on Slider Bed for improved durability and longer life
- Custom designed Side Guards
- Custom designed Coolant Troughs & Smoke Covers
- Dis-charge Chutes designed for the application
- Three Head styles to provide optimum part dis-charge
 - Continuous Radius Head
 - Horizontal Head Design
 - Nose Over Head Design

-Custom Sizes & Configurations Available-



**Model Shown
BLM-622-Serpentine**

Serpentine™ an MPI exclusive conveyor. Great for multiple liquid treatments of parts on the fly. One particular application washes the parts in water, treats them in a salt quench, then rinses the parts before they enter a heat treat furnace.

Other excellent applications include oil quench and liquid phosphate treatment.

For more information, please contact your local sales representative or our customer service representatives at 1-800-544-5930 or info@mpimagnet.com.

Magnetic Products Inc.

P.O. Box 529 • 683 Town Center Dr. • Highland, MI • 48357

TOLL FREE: 800-544-5930 • 248-887-5600

FAX: 248-887-6100

EMAIL: info@mpimagnet.com

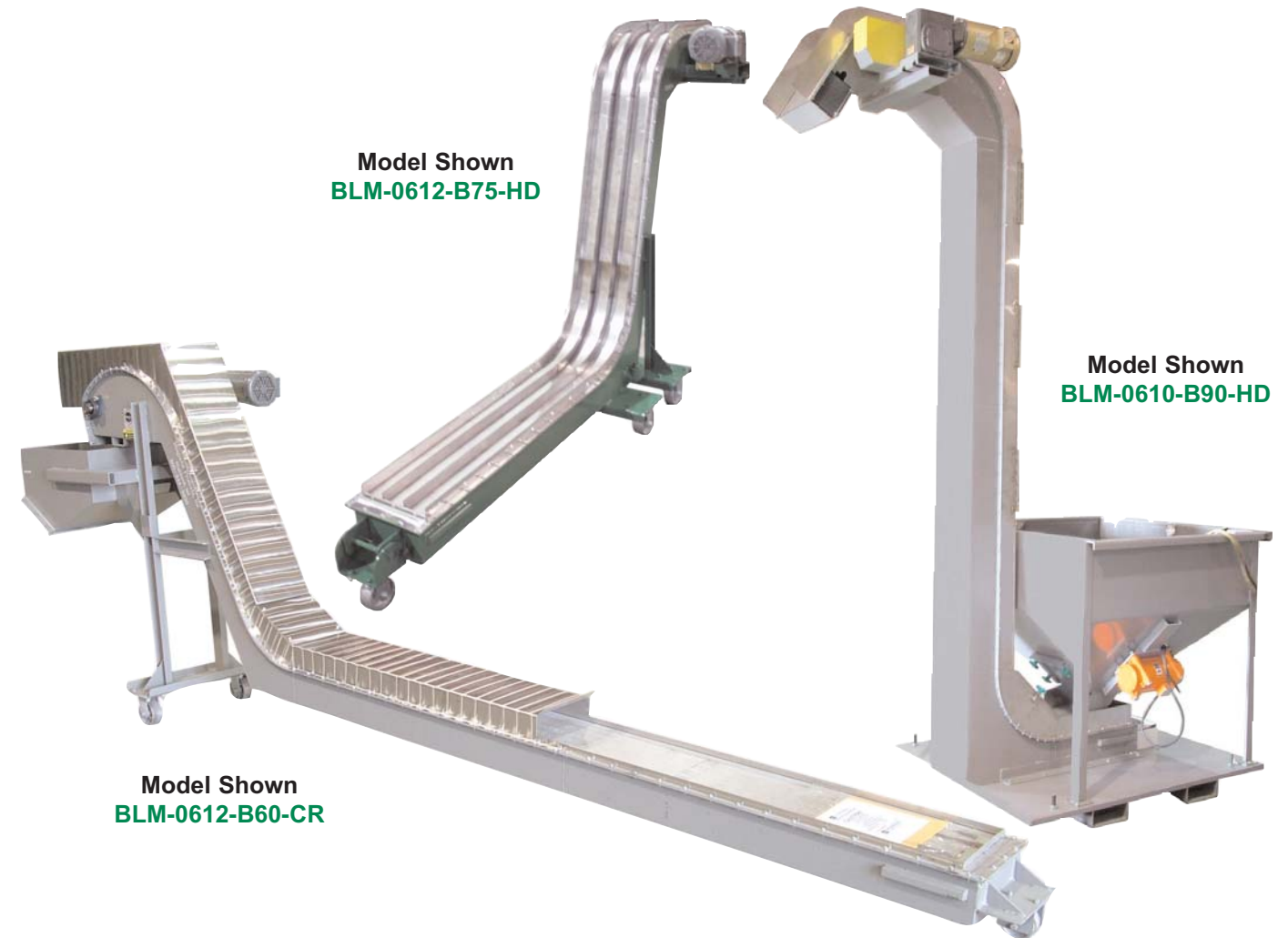
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**Beltless Magnetic
Conveyor Series BLM**



**Model Shown
BLM-0612-B75-HD**

**Model Shown
BLM-0610-B90-HD**

**Model Shown
BLM-0612-B60-CR**

Application: MPI's BELTLESS MAGNETIC CONVEYORS (BLM) are designed to provide positive control of ferrous metal materials. BLM series conveyors are available in (5) standard models in a wide range of configurations designed specifically to meet your application. Powerful permanent magnets are conveyed below a non-magnetic stainless steel slider bed to move and convey ferrous metal objects. Typical materials conveyed include metal;

stampings, turnings, chips, fasteners and scrap. The liquid tight sealed conveyor housing can be completely submerged in machine reservoir tanks and the internal self-adjusting take up system eliminates the need for maintenance. BLM conveyors are offered with many design options and can also be supplied with other ancillary components such as feeders, hoppers, etc. to provide a complete material handling system.

Designed for your application

Got a question about Metal Control or Material Handling Products...

Ask the
**Magnet
Man**



Magnetic Products, Inc.

Providing Magnetic Solutions for the
Material Handling Industry

800-544-5930

CUSTOMER APPLICATION DATA

Customer: _____ **MPI Sales Representative**
 Contact: _____ Company: _____
 Address: _____ Rep ID: _____
 City: _____ State: _____ Zip: _____ Name: _____
 Phone: _____ Fax: _____ Phone: _____
 Email: _____ **Quantity Requested** _____

Type of Operation:

Stamping Broaching Drilling
 Hydroforming Other _____

Application is:

Wet Dry

Type of Material:

Parts Large Scrap Small Slugs Chips

Is there:

Coolant Oil Flow

If there is, what is the G.P.M. _____

Are samples available for testing?

Yes No

Will the conveyor be submerged in a tank?

Yes No

If yes, how deep? _____

Describe the size and shape of the materials to be conveyed.

How will you feed the material into the infeed of the conveyor?

Min: _____ Metered

Max: _____ Surged - (product must be tested before quoting, to guarantee a successful design).

Drop distance _____

What is the rate of Production?

Pieces per hour _____

What is the products max. temperature? _____

Pounds per hour _____

If press operation, what are the strokes per min?

Does the product need to be demagnetized?

Yes - if yes, what is the max. gauss allowance? _____

No

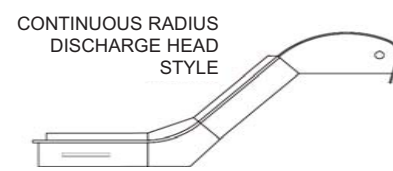
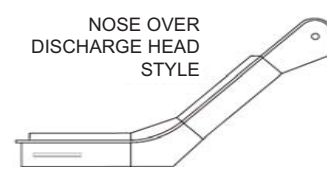
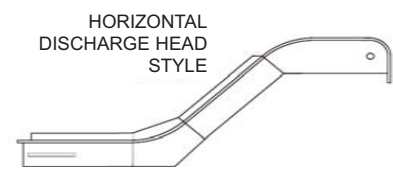
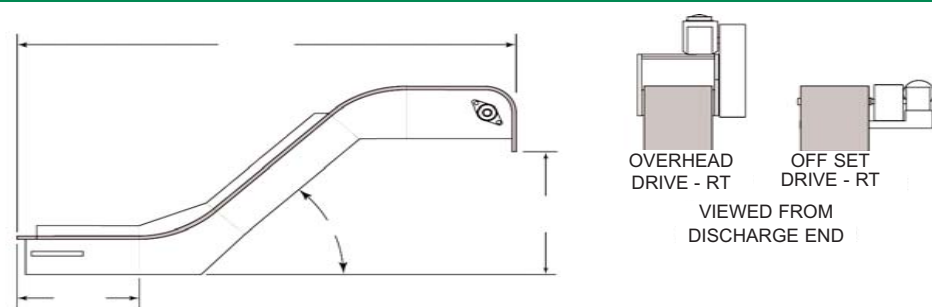
Select Drive Motor Package:

Overhead Chain Drive
 Off Set Drive (Standard)
 230/460 3 phase
 110 Volt AC

Paint:

MPI's Standard Green
 Other _____ RAL # _____

Infeed Length _____
 Angle of Incline _____
 Overall Length _____
 Horizontal Discharge Length _____



683 TOWN CENTER DR. • P.O. BOX 529

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HIGHLAND, MI 48357-0529 • FAX: 248-887-6100

Email: info@mpimagnet.com
 Web: <http://www.mpimagnet.com>

CONVEYOR SPECIFICATIONS

Recommended Conveyor Series:

400 600 800
 1000 1200

Discharge Height: _____

Infeed Length: _____

Conveyor's Overall Length: _____

Recommended Conveyor Shape:

Dogleg Dogleg w/extended discharge
 Horizontal Straight Incline Straight

CUSTOMER SUPPLIED INFORMATION

Non Standard Optional Features

Recommended Discharge Head Style:

Horizontal Nose Over Continuous Radius

Torque limiter to protect drive package

Stainless Steel Fasteners

Custom Paint Color RAL # _____

Infeed Hopper cu. ft. cap. _____

Vibratory Feeder _____

Smoke Cover _____

Reverse Flow Hopper _____

Impact Plate _____

Conveyor magnet construction and materials:

(To be determined at time of testing)

Ceramic

Ceramic load breaker (1 pole)Qty _____

Rare Earth

Rare Earth Sweeper (1 pole) Qty _____

Rare Earth Sweeper (multi pole)

Support Legs:

Fixed Position Adjustable

With Casters Without Casters

Side Guide Height:

2" Standard Other _____

Recommended Conveor Slider Bed Width:

4" 6" 8" 10" 12" 14" 16" 18"

20" 22" 24" Other _____

Castor Options:

Swivel

Swivel Locking

Swivel Locking w/brake

Rigid

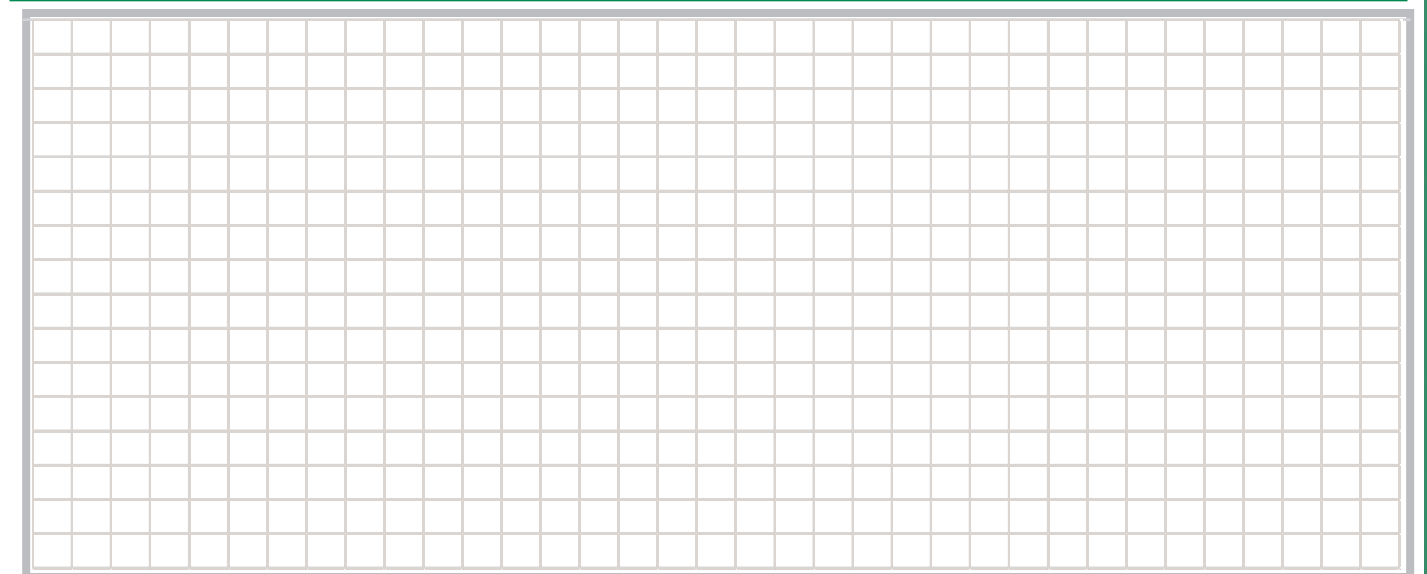
Rigid w/brake

V Groove

Recommended Angle of Incline:

15° 30° 45° 60° 75° 90°

OPTIONS:



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