**Hold Ferrous Parts Firmly To Your Belt During Conveying**

**Electromagnet Conveying Rail**

**APPLICATIONS:**
- Automated Sheet Handling
- Transfer of parts between presses
- Stacking/Destacking
- Overhead Conveying

**INTRODUCTION:**
IMI’s Magnetic Electro-Rail is commonly used for automated conveying, transferring and lifting of steel sheets and parts in various industries including: Automotive, Appliance, and Office Furniture. Electro-Rail eliminates the need for costly and time-consuming manual handling and feeding of presses, magnetic electro-rail increases production speeds and improves safety. They also are ideal for use in conjunction with many Magnetic Skate Rail applications.

Using a powerful electromagnetic circuit to hold steel objects during conveying, these electromagnets provide on/off capability and allow the user to control drop points throughout the system.

**BENEFITS:**
- Automated press feeding
- Controlled Drop Points

**FEATURES:**
- Continuous duty
- On/Off cycling for drop zones
- Handles variety of sheet thicknesses
- Industrial duty construction
- Stainless steel housing
- Rapid cycling capabilities
- Pre-tested coils prior to delivery
- Customer specified mounting

**OPTIONS:**
- Customized designs readily available
- Standard and custom power supplies (See Tech Sheet AG-10B)
- 3 pin, automotive-style, power cable connectors (3 Ft. increments)
- Waffle top Stainless construction
- Epoxy potted for impact/vibration resistance

**Key Markets**
Stamping, Fabrication, Blanking

**Related Products**
Sheet Fanners, Transporters®, Electromagnets

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All Photos And Drawings Represent The Products At The Time Of Publication (03/17)
**Conveying Rail Specifications**

**Dimensions and Specifications Standards**

**SPECIFICATIONS:**
- Stainless steel and mild steel construction
- 70° - 90° C temperature rise
- 110v DC operation
- SJO Cable (36” Standard Length) with Strain Relief Fitting

**ELECTROMAGNETIC CONVEYING RAIL DIMENSIONS:**

<table>
<thead>
<tr>
<th>Type of Rail</th>
<th>Height A</th>
<th>Width B</th>
<th>Approx. Wt. Lbs./Ft.</th>
<th>Approx. Watts/Ft.</th>
<th><em>Length</em></th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Duty</td>
<td>2⅛</td>
<td>2⅛</td>
<td>12</td>
<td>50</td>
<td>Length is specified as required by project.</td>
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<tr>
<td>Medium Duty</td>
<td>2½</td>
<td>3½</td>
<td>20</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Heavy Duty</td>
<td>3¾</td>
<td>4½</td>
<td>33</td>
<td>125</td>
<td></td>
</tr>
</tbody>
</table>

*Dimensions representative of product at date of publication. If dimensions are critical, call for up-to-date changes.

**INSTALLATION:**
- Non-ferrous mounting framework is suggested
- Customer mounting configurations are required to ensure correct product design and application