Vibrating Feeders

Standard Sizes – All sizes available in multi-deck

<table>
<thead>
<tr>
<th>1.25m Wide</th>
<th>1.60m Wide</th>
<th>1.80m Wide</th>
<th>2.20m Wide</th>
<th>2.50m Wide</th>
<th>2.70m Wide</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.40m Long</td>
<td>3.00m Long</td>
<td>3.60m Long</td>
<td>4.20m Long</td>
<td>4.80m Long</td>
<td>6.00m Long</td>
</tr>
<tr>
<td>3.00m Long</td>
<td>3.60m Long</td>
<td>4.20m Long</td>
<td>4.80m Long</td>
<td>6.00m Long</td>
<td>7.20m Long</td>
</tr>
<tr>
<td>3.60m Long</td>
<td>4.20m Long</td>
<td>4.80m Long</td>
<td>6.00m Long</td>
<td>7.20m Long</td>
<td>7.80m Long</td>
</tr>
<tr>
<td>4.20m Long</td>
<td>4.80m Long</td>
<td>6.00m Long</td>
<td>7.20m Long</td>
<td>7.80m Long</td>
<td>8.40m Long</td>
</tr>
<tr>
<td>4.80m Long</td>
<td>6.00m Long</td>
<td>7.20m Long</td>
<td>7.80m Long</td>
<td>8.40m Long</td>
<td>9.00m Long</td>
</tr>
</tbody>
</table>

Note: Hewitt Robins design screens specifically for your application. If the size of screen you require is not listed above, any of our sales offices may be contacted for more information.

Hewitt Robins International Limited
Huntingdon Court, Huntingdon Way, Measham, Swadlincote, Derbyshire, DE12 7NQ, United Kingdom, Tel: +44 (0)1332 272799, Fax: +44 (0)1332 272787, E-mail: sales@trf-int.co.uk, www.hewittrobins.co.uk

TRF Limited
Head Office & Works: 11, Station Road, Burma Mines, Jamshedpur-831007, Jharkhand, Phone: +91-657-3046500 / 598, 91-657-2345693 Fax: +91-657-2345732

Marketing:
Bulk Material Handling System
Cell: +91-9368111194
Ph: +91-657-3046355 / 216
Fax: +91-657-2345732
E-mail: sales@trf-int.co.in

Bulk Material Handling Equipment
Cell: +91-9369600304
Ph: +91-33-44033504
E-mail: sales@trf-int.co.in
Cell: +91-9830608783
E-mail: dhingra@trf-int.co.in

Balance of Plant
Cell: +91-33-44033504
Ph: +91-33-44033504
Fax: +91-33-44033597
E-mail: sales@trf-int.co.in

Port & Yard Equipment Division
Cell: +91-33-44033504
Ph: +91-33-44033504
Fax: +91-33-44033504
E-mail: sales@trf-int.co.in

Regional Offices:
KOLKATA
Block G, 3rd Floor, 22 Cramer Street, Kolkata-700016
Ph: +91-33-44046611
E-mail: debasis.sarkar@trf-int.co.in

NEW DELHI
Himalaya House, 5th Floor, 23, Kasturba Gandhi Marg, New Delhi-110001
Ph: +91-11-23330788/23337430
Fax: +91-11-23722447
E-mail: nde@trf-int.co.in

MUMBAI
Magnet House, 1st Floor, Nariman Point, Mumbai 400008
Ph: +91-22-22616853/22614320
Fax: +91-22-22616853
E-mail: mummb@trf-int.co.in

HYDERABAD
Flat No. 601, 6th Floor, Pashapet Plaza, Banjara Hills, Hyderabad-500038
Ph: +91-40-23279630/31
Fax: +91-40-23279634
E-mail: hyd@trf-int.co.in

Features

- Hewitt Robins have supplied some of the biggest Pan and Grizzly Feeders all around the world with capacities up to 850000 handling lump sizes up to 2.5m².
- The heavy-duty feeders are at the forefront of design, durability and performance as they ensure high productivity, reliability and ease of maintenance.
- Hewitt Robins Vibrating Feeders have been setting the industry standard with their outstanding versatility, which has been proven by the thousands of installations worldwide.
- For heavy duty applications the innovative Eiptex Vibrator is used and for light and medium duty applications Hewitt Robins have developed a cost effective solution, the Umbex feeder which is driven by single or twin low noise outer-balance vibratory motor.
Hewitt Robins Vibrating Feeders are driven by Elliptex Vibrator unit which impart a three-way motion to the screen.

- The Hewitt Robins Elliptex vibrator unit has a worldwide reputation for unmatched reliability, long life and minimal servicing.
- The linear motion achieved from the 2, 4 or even 8 eccentric shafts provides higher capacity screening and gives a cleaner product.
- The simple construction, rugged design and high quality components assures extra long wear life.

The linear motion quickly stratifies and turns material so that all sides of a particle are exposed to the deck openings. The result is a thorough screening, washing, dewatering and more accurate sizing.

**VIBRATOR SHAFTS**
Each tough, eccentric, vibrator shaft is precision - machined from 1045 steel for extra-long service life. Provision for 2, 4 or even 8 shafts.

**WIDE-FACE HELICAL GEARS**
Timing gears are premium-quality, single helical design precision-cut from 4140 heat-treated steel. Wide-faced gear teeth distribute load much more effectively than spur gears and promote, smooth, quiet, long-lived operation under heavy loading.

**OIL FLINGER**
Retains oil and prevents contaminlants from entering vibrator mechanism. Seals and seal sleeves are easily replaceable when worn.

**OIL-SPASH LUBRICATION**
Through-flow, oil splash system provides superior lubrication of gears and bearings. Large oil reservoir extending the entire length of the vibrator house dissipated heat rapidly, lowers bearing temperatures for longer bearing service life.

**DOUBLE-LIP SEAL**

**EXCLUSIVE ELLIPTICAL MOTION**

<table>
<thead>
<tr>
<th>ROTATION</th>
<th>45 - 45</th>
<th>135 - 315</th>
<th>225 - 225</th>
<th>315 - 135</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSITION OF ECCENTRIC SHAFTS</td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
</tr>
<tr>
<td>RESULTANT FORCES</td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
<td><img src="image" alt="Diagram" /></td>
</tr>
</tbody>
</table>

**Designed to suit numerous applications**

The Hewitt Robins Vibrating Feeders are designed to suit the customer's application. However, the standard size of Feeders ranges from 500mm to 3000mm in width and from 1500mm to 10,000mm in length.

Hewitt Robins can custom design Feeders to withstand the severest impacts. The Feeders are available in single or double deck configurations and can also be supplied to suit standard, heavy duty or even extra heavy duty applications.

Hewitt Robins Feeders can come with full-length solid pan deck and optional grizzly bars in 1.2m, 1.8m or 2.4m lengths in horizontal, sloped or stepped arrangements.

**Wear Protection**
- All grizzly bars come in abrasion resistant steel as standard and optional side liners. Pan liners can be supplied depending on the application.