The workhorse of the Spiratron® family of vibratory finishing machines, the **HR Series** has evolved since its original patent notoriety of being the first round bowl internal separation machine. The HR is a heavy duty machine that can be customized with a wide variety of standard and special options that gives the customer a full range of processing possibilities – from minimal human involvement to a fully automatic system for a hands off operation.

### Features

- **Heavy duty Welded Steel Construction**  
  *Main building component of the bowl is a certified pressure vessel tank head.*

- **Cast Polyurethane Liner**  
  *Polyurethane liner is cast, not sprayed on. This improves media rebound and provides more wear depth. 50% additional lining in high wear areas.*

- **“U” Shaped Straight or Curved Wall Processing Bowl**

- **Full 90º Wrap-Around Separation Screen**

- **Premium Efficiency, Ball Bearing, Cast Iron Motor**  
  *TEFC, 1800 RPM, 230/460V*

- **Water-Driven Compound System**
HR SERIES
with Internal Separation

Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Total Capacity L (cu.ft.)</th>
<th>Max Working Capacity L (cu.ft.)</th>
<th>Overall Diameter mm (in.)</th>
<th>Overall Height mm (in.)</th>
<th>Process Channel Width mm (in.)</th>
<th>Center Column Diameter mm (in.)</th>
<th>Screen Deck Width mm (in.)</th>
<th>Screen Deck Height mm (in.)</th>
<th>Base Diameter mm (in.)</th>
<th>Motor Horse Power kw (HP)</th>
<th>460 Volts Amp Load</th>
<th>230 Volts Amp Load</th>
<th>Aprox Shipping Weight kg (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR-3 CL</td>
<td>185 (5.5)</td>
<td>75 (2.5)</td>
<td>1906 (42)</td>
<td>1092 (43)</td>
<td>190 (7.5)</td>
<td>880 (26)</td>
<td>152 (6)</td>
<td>939 (37)</td>
<td>1041 (41)</td>
<td>101.6 (4) / 1</td>
<td>2.2 (3)</td>
<td>7.8</td>
<td>12.6</td>
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<tr>
<td>HR-5 CL</td>
<td>300 (10.71)</td>
<td>150 (5)</td>
<td>1238 (48.7)</td>
<td>1181 (46.5)</td>
<td>259 (10.2)</td>
<td>660 (26)</td>
<td>203 (8)</td>
<td>873 (39)</td>
<td>1193 (47)</td>
<td>101.6 (4) / 3</td>
<td>2.2 (3)</td>
<td>7.8</td>
<td>12.6</td>
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<tr>
<td>HR-11 CL</td>
<td>601 (20.4)</td>
<td>300 (10)</td>
<td>1555 (61.25)</td>
<td>1320 (52)</td>
<td>317 (12.5)</td>
<td>850 (33.5)</td>
<td>279 (11)</td>
<td>1066 (42)</td>
<td>1448 (57)</td>
<td>101.6 (4) / 3</td>
<td>5.6 (7.5)</td>
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<td>25</td>
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<tr>
<td>HR-17 SPT</td>
<td>990 (33.1)</td>
<td>381 (15)</td>
<td>1178 (70)</td>
<td>1346 (53)</td>
<td>381 (15)</td>
<td>985 (38)</td>
<td>330 (13)</td>
<td>1016 (40)</td>
<td>1702 (67)</td>
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<td>7.5 (10)</td>
<td>17</td>
<td>31</td>
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<td>HR-17 CLT</td>
<td>990 (33.1)</td>
<td>340 (12)</td>
<td>1178 (70)</td>
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<td>985 (38)</td>
<td>330 (13)</td>
<td>1016 (40)</td>
<td>1702 (67)</td>
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<td>7.5 (10)</td>
<td>17</td>
<td>31</td>
</tr>
<tr>
<td>HR-23 SPT</td>
<td>1500 (50.3)</td>
<td>540 (18)</td>
<td>1930 (76)</td>
<td>1346 (53)</td>
<td>457 (18)</td>
<td>985 (38)</td>
<td>381 (15)</td>
<td>1066 (42)</td>
<td>1702 (67)</td>
<td>101.6 (4) / 3</td>
<td>7.5 (10)</td>
<td>17</td>
<td>31</td>
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<tr>
<td>HR-25 SPT</td>
<td>1899 (60.0)</td>
<td>780 (26)</td>
<td>2032 (80)</td>
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<td>508 (20)</td>
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<td>432 (20)</td>
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<td>1676 (66)</td>
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<td>17</td>
<td>31</td>
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<td>HR-60 SPT</td>
<td>4560 (153)</td>
<td>1530 (51)</td>
<td>2743 (108)</td>
<td>2032 (80)</td>
<td>558 (22)</td>
<td>1545 (61)</td>
<td>482 (19)</td>
<td>1473 (58)</td>
<td>2542 (104)</td>
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<td>22.3 (30)</td>
<td>43</td>
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<tr>
<td>HR-100 SPT</td>
<td>8720 (224)</td>
<td>2460 (82)</td>
<td>3048 (120)</td>
<td>2184 (86)</td>
<td>685 (27)</td>
<td>1549 (61)</td>
<td>609 (24)</td>
<td>1575 (62)</td>
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<td>101.6 (4) / 3</td>
<td>22.3 (30)</td>
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</tbody>
</table>

Abbreviation Key

SL - Straight Wall, Lever
CL - Curved Wall, Lever
SLT - Straight Wall, Timer
CLT - Curved Wall, Timer
SPT - Straight Wall, Pneumatic Gate, Timer
CPT - Curved Wall, Pneumatic Gate, Timer

HR-11 SPT/CPT (& Larger)
Semi Automatic Control Panel
Water Driven Compound System
Digital Process Timer
Pneumatic Gate
Recirculating Oil Lube Drive System
Internal Stainless Wrap Screen

The HR-100 SPT
(7’-2” tall)

HR-3 SL/CL
On/Off Switch
Water Driven Compound System
Manual Lever Gate
Grease Drive System
Internal Stainless Wrap Screen

HR-5 SLT/CLT
Semi Automatic Control Panel
Water Driven Compound System
Digital Process Timer
Manual Lever Gate
Grease Drive System
Internal Stainless Wrap Screen