Colour Sorter
Intelligent CCD

- High Quality Reject System
- Premium LED Light System
- Proven System Performance
Food Applications

TAIHO CCD & NIR Colour Sorters can process a wide variety of food products with exceptional accuracy and consistency.

Based in China, TAIHO manufactures colour sorters to leading food and industrial processors throughout the world. Its CCD, belt and NIR (near infrared) colour sorters offer precision sorting performance for a wide range of applications.
System Features

TAIHO colour sorters offer industry leading accuracy and precision to help you improve product quality and maximise product output.

High Resolution Colour CCD Image Acquisition System
The high resolution CCD system has the sensory ability of human eye with a maximum resolution up to 0.15mm. Coupled with a high precision lens, the system captures clear images and identifies small defects and spots on raw materials.

Flexible Configuration & Variable Light Source
The LED lighting system has a long service life, low energy consumption and consistent performance. The light source can also be customised, based on the requirements of the customer and raw materials being processed.

Dedicated Image Processing Algorithm
Raw product can be analysed based on shape and colour. For materials with complex colours, the machine sorts materials more directly and accurately by using HSV-changed colour space sorting method.

Unique Trough Configuration
The special anodising technology complies with international standards. The system can be equipped with cascade plate and narrow chute channel to meet the colour sorting for various materials.

High Quality Solenoid Valve
The high frequency ejector has a long service life and has very low air consumption, providing the highest capacity rejection output. The system is available with different sizes of solenoid valves according to the raw product being sorted.

Excellent Rejection Rate (Carryover Rate)
The advanced image acquisition system features intelligent processing algorithms, a high quality nozzle system and excellent elimination rate.

Simple Easy to Use Touchscreen Interface
The graphical interface is easy to use and learn for both technicians and line operators.
### System Range

<table>
<thead>
<tr>
<th>1 CHUTE</th>
<th>4 CHUTE</th>
<th>5 CHUTE</th>
<th>6 CHUTE</th>
<th>7 CHUTE</th>
<th>10 CHUTE</th>
<th>12 CHUTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Image](53x611 to 564x710)</td>
<td>![Image](180x475 to 435x573)</td>
<td>![Image](50x475 to 179x573)</td>
<td>![Image](53x611 to 564x710)</td>
<td>![Image](180x475 to 435x573)</td>
<td>![Image](50x475 to 179x573)</td>
<td>![Image](53x611 to 564x710)</td>
</tr>
</tbody>
</table>

**Mode (small channel)**

- 6SXZ-63 (1R)
- 6SXZ-84 (2R)
- 6SXZ-126 (3R)
- 6SXZ-189 (4R)
- 6SXZ-252 (5R)
- 6SXZ-315 (6R)
- 6SXZ-378 (7R)
- 6SXZ-630 (10R)
- 6SXZ-756 (12R)

**Mode (wide channels)**

- 6SXZ-42 (1R)
- 6SXZ-84 (2R)
- 6SXZ-126 (3R)
- 6SXZ-168 (4R)
- 6SXZ-210 (5R)
- 6SXZ-252 (6R)
- 6SXZ-294 (7R)
- 6SXZ-420 (10R)
- 6SXZ-504 (12R)

<table>
<thead>
<tr>
<th>Channels</th>
<th>Product Output (t/h)</th>
<th>Sorting Accuracy (%)</th>
<th>Carryover Rate</th>
<th>Weight (kg)</th>
<th>Resolution (mm²)</th>
<th>Power (kW)</th>
<th>Cooling</th>
<th>Power Supply</th>
<th>Dimensions (L x W x H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>63/42</td>
<td>0.3 - 1.0</td>
<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>350</td>
<td>0.04</td>
<td>1.0</td>
<td>Fan Cooled</td>
<td>220V/50Hz</td>
<td>9581 x 1467 x 1256</td>
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<tr>
<td>126/84</td>
<td>0.5 - 2.0</td>
<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>617</td>
<td>0.04</td>
<td>1.4</td>
<td>Fan Cooled</td>
<td>220V/50Hz</td>
<td>1337 x 1640 x 2015</td>
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<tr>
<td>189/126</td>
<td>1.0 - 3.0</td>
<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>748</td>
<td>0.04</td>
<td>1.8</td>
<td>Fan Cooled</td>
<td>220V/30Hz</td>
<td>1631 x 1640 x 2015</td>
</tr>
<tr>
<td>252/168</td>
<td>1.5 - 4.0</td>
<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>890</td>
<td>0.04</td>
<td>2.2</td>
<td>Fan Cooled</td>
<td>220V/30Hz</td>
<td>1956 x 1640 x 2015</td>
</tr>
<tr>
<td>315/210</td>
<td>2.0 - 6.0</td>
<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>1043</td>
<td>0.04</td>
<td>2.6</td>
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<td>220V/50Hz</td>
<td>2279 x 1640 x 2015</td>
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<tr>
<td>378/252</td>
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<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>1170</td>
<td>0.04</td>
<td>3.0</td>
<td>Fan Cooled</td>
<td>220V/50Hz</td>
<td>2593 x 1640 x 2015</td>
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<tr>
<td>630/420</td>
<td>3.0 - 8.0</td>
<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>1281</td>
<td>0.04</td>
<td>4.5</td>
<td>Fan Cooled</td>
<td>220V/50Hz</td>
<td>2766 x 1509 x 1945</td>
</tr>
<tr>
<td>756/504</td>
<td>4.0 - 9.0</td>
<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>1792</td>
<td>0.04</td>
<td>6.0</td>
<td>Fan Cooled</td>
<td>2274 x 2824</td>
<td>2274 x 2824 x 2024</td>
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<tr>
<td>1792</td>
<td>4.0 - 10.0</td>
<td>≥ 99.9</td>
<td>≥ 8:1</td>
<td>2134</td>
<td>0.04</td>
<td>8.0</td>
<td>Fan Cooled</td>
<td>220V/50Hz</td>
<td>2550 x 2824 x 2024</td>
</tr>
</tbody>
</table>

1. The above data is based on 5% contamination soybean material, and real output depends on the soybean material and its contamination.
2. Products are subject to update without further notice.

**PLEASE NOTE:**

- 2 Chute & 3 Chute options not shown

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**INFORMATION:**

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