Separator
Efficient grain cleaning.
High product quality.

Wide variety of applications
The Buhler Separator MTRC is especially applied in wheat, durum, corn/maize, rye, soybean, oat, buckwheat, spelt, millet, and rice mills for cleaning, or in bulk storage systems for precleaning. In addition, the machine is also successfully used in animal feed production plants, seed treatment systems, oilseed cleaning installations, and cocoa bean grading systems. The Separator MTRC separates the grain from coarse and fine impurities by screening. In addition, it grades a wide variety of products by size.

Efficient grain cleaning at high throughput rates
• Using a screen separation system, the Separator MTRC separates the grain from coarse impurities such as oversize grains, strings, straw, wood, stones and pebbles, or clods of earth plus fine impurities such as sand or broken grains. The MTRC achieves high throughputs up to 24 t/h in cleaning applications and 100 t/h in precleaning applications in bulk storage installations.
• As an option, it is possible to install a downstream aspiration channel or air-recycling aspirator in order to separate low-density particles such as dust, hull particles, or husks and thus to optimize the cleaning result.

Minimum maintenance
• The maintenance requirement of the MTRC sorter and grader is minimized by the use of screens that can be quickly and easily changed, by easy-to-exchange wear parts, and by the absence of lubrication points.
• Throughout the process, a rubber-ball cleaning system continuously and effectively cleans the screens: This reduces the maintenance requirement while increasing the throughput capacity.

Low wear thanks to rugged design
The rugged design of the machine reduces wear to an appreciable extent.

High versatility
The Separator MTRC can be combined with different aspiration systems and can therefore be applied with extreme flexibility.
High versatility. Aspiration system combinations.

**Features**
- Rugged design
- Easy operation
- Quick and easy changing of the rugged screens
- Adjustable stroke and angle of throw
- Easy-to-exchange wear parts
- No lubrication points

**Machine combinations with different outlet aspiration systems**

**Technical data**

<table>
<thead>
<tr>
<th>Model</th>
<th>Throughput in t/h*</th>
<th>Dimensions in mm</th>
<th>Approx. weights in kg</th>
<th>Vol. seaworthy packing m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cleaning section</td>
<td>Bulk storage system</td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>MTRC-100/200</td>
<td>16</td>
<td>2745</td>
<td>1610</td>
<td>1730</td>
</tr>
<tr>
<td>MTRC-100/200 S</td>
<td>66</td>
<td>2625</td>
<td>1610</td>
<td>1930</td>
</tr>
<tr>
<td>MTRC-150/200</td>
<td>24</td>
<td>2745</td>
<td>2180</td>
<td>1730</td>
</tr>
<tr>
<td>MTRC-150/200 S</td>
<td>100</td>
<td>2625</td>
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</tr>
</tbody>
</table>

* The throughput data applies to wheat and rye with a normal percentage of impurities (2 to 3%).
Throughput capacity for corn/maize 90%
Throughput capacity for barley 80%

The throughput capacity data for bulk storage systems are peak values, which are achieved with uniform product feed to the Separator, maximum moisture of 15%, and a normal percentage of impurities.

For grain from combine harvesters with a high moisture content and a high percentage of impurities, the following approximate throughput capacities are obtained:
- 15 – 18% H₂O 65 – 70%
- 18 – 22% H₂O 55 – 60%
- above 22% H₂O maximum 50%