Over the years Maguin has installed more than 100 washing drums in various configurations for all types of feeding and for capacities from 2500 to 35000 tons per day.

This drum is the first step of the Maguin washing line and may also be added to any existing line to improve washing efficiency.

The Maguin washing drum is the core piece of Maguin’s washing line. It’s the perfect solution in terms of washing efficiency, sugar losses, processing capacity and maintenance.

**MAIN FEATURES**

- All climatic and soil conditions, whether in Europe, Asia, America or Africa
- Wide range of drums, hydraulic or wet feeding
- Minimal maintenance and long service life: friction drive, no complex mechanical parts
- Adjustable retention time
- Counter-current recirculation of water: 0.5 to 0.7 l/kg beets
- Indoor and outdoor installations

**ADVANTAGES**

- Efficient washing and mud/sand removal
- Minimum sugar losses thanks to gentle beet handling
- Low water need i.e. minimal water treatment
- Large capacity up to 35 000 t/d
- Operating flexibility
- Very high reliability and availability
TECHNICAL DETAILS

The washing drum is designed according to beet through-put, tare and climatic conditions. Depending on the drum model it consists of:

- **1st section**: The pre-washing removes superficial and free soil. Muddy water is then separated and sent to water treatment.

- **2nd section**: Main washing is done by smooth mechanical friction of beets for an efficient surface cleaning.

- **3rd section**: Rinsing of the beet is done by water curtain. Soil remaining in the grooves will be treated by the Maguin final washer.

Different solutions could be proposed each with dry or wet feeding:

<table>
<thead>
<tr>
<th>Washer type</th>
<th>Pre-Washer</th>
<th>Main Washer</th>
<th>Pre &amp; Main Washer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st section</td>
<td>•</td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>2nd section</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>3rd section</td>
<td>•</td>
<td></td>
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</tr>
</tbody>
</table>

Different solutions could be proposed each with dry or wet feeding: