Vertical Pearler
Osiris.

MTPA
Treatment at a diamond level.

**Efficient and uniform product pearling.**

**Top-performance in every aspect**

The vertical pearler is designed for gentle processing durum wheat, barley, millet varieties and quinoa. It efficiently pears off the surface of these grains providing a high and uniform pearling.

**Higher pearling degree at reduced energy consumption**

All performance factors like pearling degree, capacity and energy consumption have been improved due to the new design and innovative pearling material.

The process achieves a pearling degree of up to 15% while having less pearling passes at the same time. Thus, a reduction in energy consumption by up to 30% is possible.

**Advanced process aspiration**

Optimized air channels ensure a constant air flow over the entire rotor. Due to this improved aspiration, the product is efficiently cooled leading to an excellent final product quality and simultaneously keeps the sieves clean.

**Product flow**

An uniform product distribution through a single inlet is possible due to the conical rotor lid. An automatic retarding system allows quick intervention in the product flow and pearling degree.

**Customer Benefits**

- High specific pearling degree at a **high throughput**
- Food safe pearling due to diamond disks
- Minimal product heating during pearling
- Reduced energy consumption per processed tons and pearling degree
Top sanitation.

Highest pearling performance.

Reliable process

Pearling disks surface ensure uniform pearling degree, thereby improving the product yield and simultaneously minimizes brokenes.

 Grinding stones are replaced by the newest generation of food graded material providing food safety.

Low Down-time

The diamond specific feature guarantees a longer rotor lifetime and constant disk diameter over entire runtime leading to less maintenance.

Maximal operation time

The 10 identical pearling disks are individually replaceable and exchangeable within 2 hours. Easy access to wear parts reduces downtime.

<table>
<thead>
<tr>
<th>Durum wheat / barley</th>
<th>Capacity</th>
<th>Pearling degree*</th>
<th>Aspiration volume</th>
<th>Weight</th>
<th>Packing weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Up to 12 t/h</td>
<td>Up to 15%</td>
<td>65 m³/min</td>
<td>1800 kg</td>
<td>2000 kg</td>
</tr>
</tbody>
</table>

*Depending on capacity

The motor size of the vertical pearler Osiris MTPA is 55 - 90 kW depending on the application