# GRADER DELTA 128

## GENERAL

**Brand** Cimbria  
**Designation** Flat-screen grader  
**Model** DELTA 128  
**Use** Industry  
**Application** Size grading of cereal grains, pulses, oilseeds, and similar seeds intended for seed.

## OPERATING SPEED

- **Shaker feeder (shaft)**: 140–700 rpm  
- **Screens (shaft), fixed speed**: 280–285 rpm  
- **Screens (shaft), variable speed**: 260–320 rpm

## ELECTRICAL RATINGS

- **Motor, shaker feeder**: 0.75 kW  
- **Motor, screens**: 3 kW

## PERFORMANCE

<table>
<thead>
<tr>
<th>Material</th>
<th>Bulk density t/m³</th>
<th>Moisture content %</th>
<th>Capacity t/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley</td>
<td>0.68</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>14</td>
<td>6–12</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>14</td>
<td>8–12</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>14</td>
<td>10</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>14</td>
<td>8–12</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>14</td>
<td>8–12</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Ryegrass</td>
<td>0.3</td>
<td>14</td>
<td>4</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>14</td>
<td>8–12</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>9</td>
<td>2.5–4</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14</td>
<td>15</td>
</tr>
</tbody>
</table>

*Note: Capacities are for grading three to four fractions. Capacities may vary for different number of grades.*

## DIMENSIONS

- **Screen area, total**: 24 m²  
- **Screen size**: 1 250×800mm (24 pcs)  
- **Overall length**: 3 705 mm  
- **Overall height**: 3 586 mm  
- **Overall width**: 1 981 mm

## WEIGHT

- **Weight, empty**: 4 030 kg  
- **Weight, operating (wheat)**: 4 450 kg  
- **Weight, choked (wheat)**: 9 530 kg

## OPERATING SPEED

- **Horizontal load “Ph”**: ±3 661 N @ 4.6–4.8 Hz  
- **Vertical load “Pv1” (inlet end)**: ±2 787 N @ 4.6–4.8 Hz  
- **Vertical load “Pv2” (outlet end)**: ±2 689 N @ 4.6–4.8 Hz

*Note: Dynamic loads are for normal operation.*

## DYNAMIC LOADS

- **Air supply and extraction**: 1 000–2 500 m³/h

## NOISE

- **Sound pressure level, empty**: 81.6 dB(A)  
- **Sound power level, empty**: 96.1 dB(A)

## ENVIRONMENTAL CONDITIONS

- **Environment**: Indoors  
- **Temperature**: From -20°C to +40°C  
- **Altitude**: Up to 800 m

## SURFACE PROTECTION

- **Frame and enclosure**: Paint (corrosivity category C2; low durability)

## COMPLIANCE

- **EU machinery legislation**: Yes  
- **EU ATEX legislation**: Option*  
- **EU food contact legislation**: Option*  

* Consult your Cimbria dealer for full details.

## LIFETIME

- **Intended life limit**: 20 years

---

Copyright © The right to alterations is reserved.