Turntable TT 6.0-10t

Technical Data

- Diameter: 6.0 m
- Permissible load: 10,000 kg
- Point load: 1,250 kg (at area of 10cm x 10cm)
- Total height min.: 800 mm
- Material carrier plate: stainless steel
- Rotating speed adjustable between: 0.3 to 1.0 rpm
- Rotating angle: +400°/-200°
- Positioning accuracy: +/- 0.5°
- Turntable drive: Helical-bevel gear
- Motor: Servo motor, frequency inverter
- Interference suppression: 20 dB under limits EN 55022 class B

Fig.: Drive unit assembly of turntable
**Control cable**  
Plastic optical fibre cable 980/1000 µm

**Attenuation of fibre cable**  
625 nm

**Remote control via**  
IEEE interface

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td><strong>Current consumption</strong></td>
<td>max. 32 A</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>380-400 VAC, 50/60 Hz, 3-phase</td>
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<tr>
<td><strong>Concentricity tolerance</strong></td>
<td>+/- 3 mm</td>
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<tr>
<td><strong>Elevation tolerance less than</strong></td>
<td>5 mm</td>
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<tr>
<td><strong>Ground plane connecting every</strong></td>
<td>50 mm</td>
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<tr>
<td><strong>Square border interface</strong></td>
<td>6.5 m x 6.5 m</td>
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<tr>
<td><em>(Easy fitting into Groundplane of chamber)</em></td>
<td></td>
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<tr>
<td><strong>Temperature range</strong></td>
<td>+10°C to +35°C</td>
</tr>
<tr>
<td><strong>Total weight</strong></td>
<td>approx. 9.000 kg</td>
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</tbody>
</table>
| **Accessories**                | Interface to SCU/MCU/NCD Controller  
1.5 m power supply cable  
Service manual |
**Limit switches:**
The turntable is equipped with a limit switch and positioning switch system to guarantee the exact positioning of the turntable. An “overturning” of the system is prevented by using limit switches.

**Connection to the ground plane:**
There is a long-lasting, maintenance-free contact systems included:
Material: hollow core copper beryllium tubing

**Covering and tolerances:**
The covering is made of stainless steel, the gap between the turntable and the ground plane less than 5 mm.
The radial run out is within a tolerance of +/- 3 mm.
The height differences are within a range of 10 mm or better.
Turntable structure:
Solid welded steel construction; parts are assembled with screws (for easy transportation). The complete structure is galvanised for long-lasting performance of the system.

Figure: Turntable structure made of solid welded galvanised steel

Further specifications and options available upon request

The following options are available upon request:
- Power supply in the centre with different connectors
- External power supply outside the centre with energy chain
- Continuous rotation with integrated slip rings or rotary joints
- Integrated exhaust gas extraction system
- Higher positioning accuracy
- Outdoor applications

Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.