

Turntable TT 5.0 - 5t

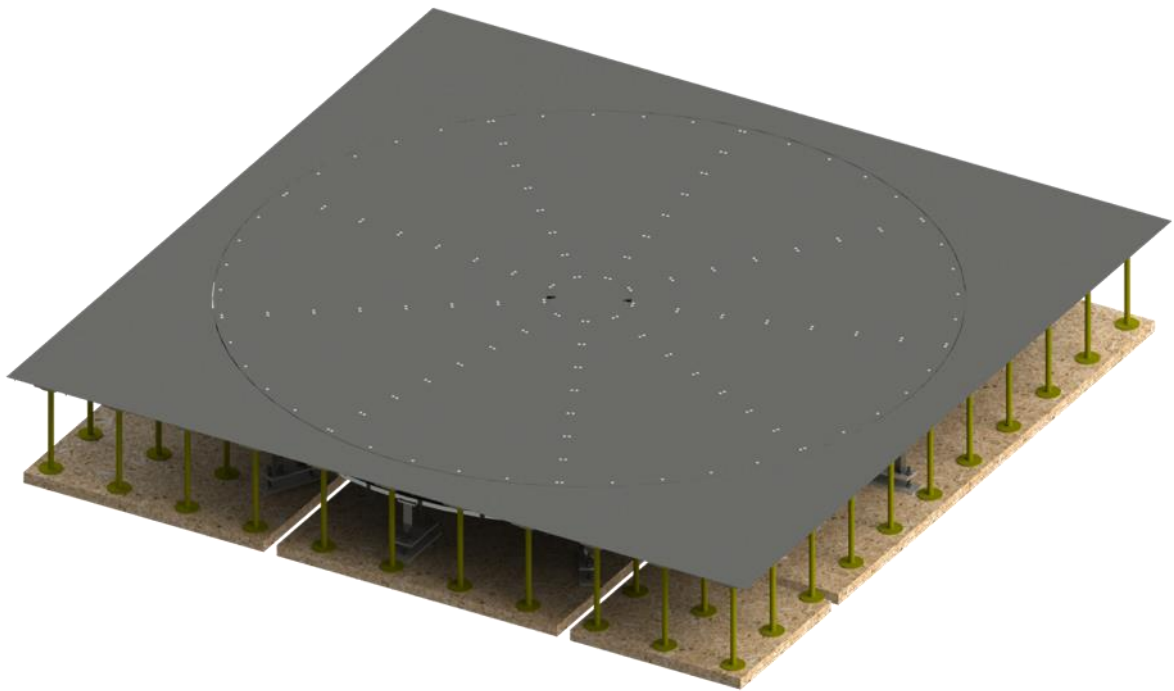
Technical data:

| | |
|--|---|
| Diameter | 5.0 m |
| Load capability | 5000 kg |
| Point load | 750 kg at 10 cm x 10 cm |
| Height | 600 mm |
| Material cover plate | Stainless steel |
| Rotating speed adjustable | 0.1 rpm – 1.5 rpm |
| Positioning accuracy | +/- 0.5° |
| Rotating angle | -200° to 400° |
| Motor | Synchronous servo motor |
| Turntable drive | Worm gear |
| Elevation tolerance | < 3 mm |
| Gap between TT and the surrounding | < 5 mm |
| Concentricity tolerance | +/- 1 mm |
| Ground plane connecting | every 50 mm |
| Square border interface (easy fitting into ground plane of chamber) | 5.5 m x 5.5 m |
| Voltage | 380 VAC – 480 VAC, 50 Hz / 60 Hz, three phases |
| Current consumption | max. 16 A |
| Required RCD | 300 mA |
| Control cable | Fiber optic lines |
| Remote control via | LAN (TCP/IP); (IEEE only with NCD) |
| Interference suppression | 20 dB under limits DIN EN 55011:2022-05 class B |
| Temperature working range | 10° C – 35 ° C |
| Total weight | approx. 5500 kg |
| Accessories | Service manual Standard CP equipped with: <ul style="list-style-type: none">- 2x Schuko 230V/16A- 1x CEE 400V/16A 3 phase |

Brief description

The turntable TT 5.0-5t is especially designed for flush mounted installation in semi anechoic electromagnetic absorption chambers. The carrier plate is made of stainless steel.

The LAN (TCP/IP) - interface provides an additional control option for all functions, when operated with the FCU^{3.0} or NCD Controller.



Power supply in the turntable center

It is possible to integrate various types of connectors for the power supply of the EUT. A standard 450 mm diameter opening in the center of the turntable provides the capability to insert power supply for testing, other diameters on request.



Standard center plate

Phone: +49 (0)9606 923913-0
Fax: +49 (0)9606 923913-29

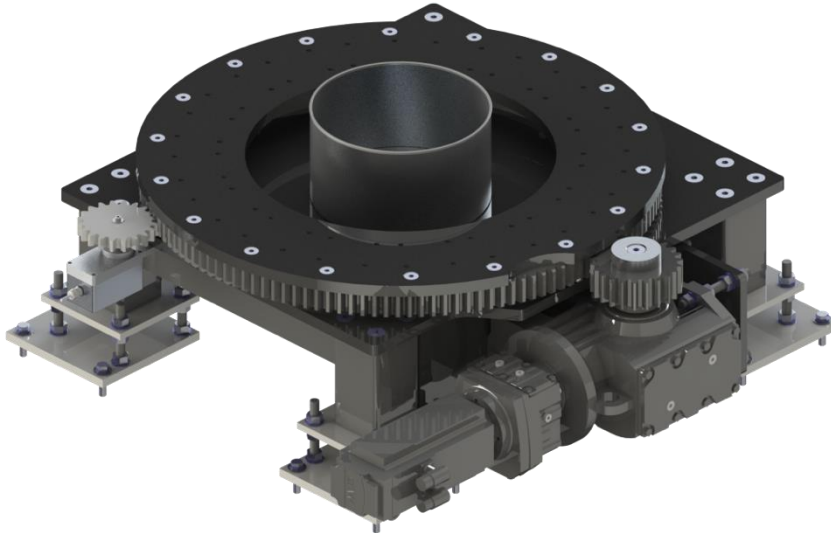


Example for a customized center plate

Web: www.matur-gmbh.de

Rotary encoder and limit switch

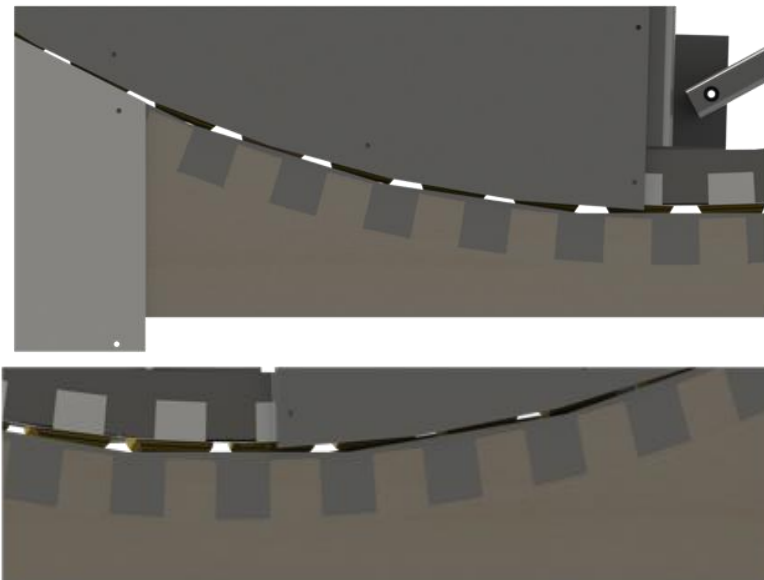
The turntable is equipped with a rotary encoder to guarantee the exact positioning of the turntable.



Rotary encoder and limit switch system

Connection to ground plane

A long-lasting, maintenance-free contact system is included, which is made by hollow core copper beryllium tubing.



Contact system between the turntable and the surrounding

Turntable structure:

Solid welded steel construction; parts are assembled with screws (for easy transportation).
The complete structure is either pre-coated and painted or galvanised for long-lasting performance of the system.



Turntable structure made of solid welded 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
- Integrated cooling fan system
- Vehicle charging possibility
- Maintenance hatch
- 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.