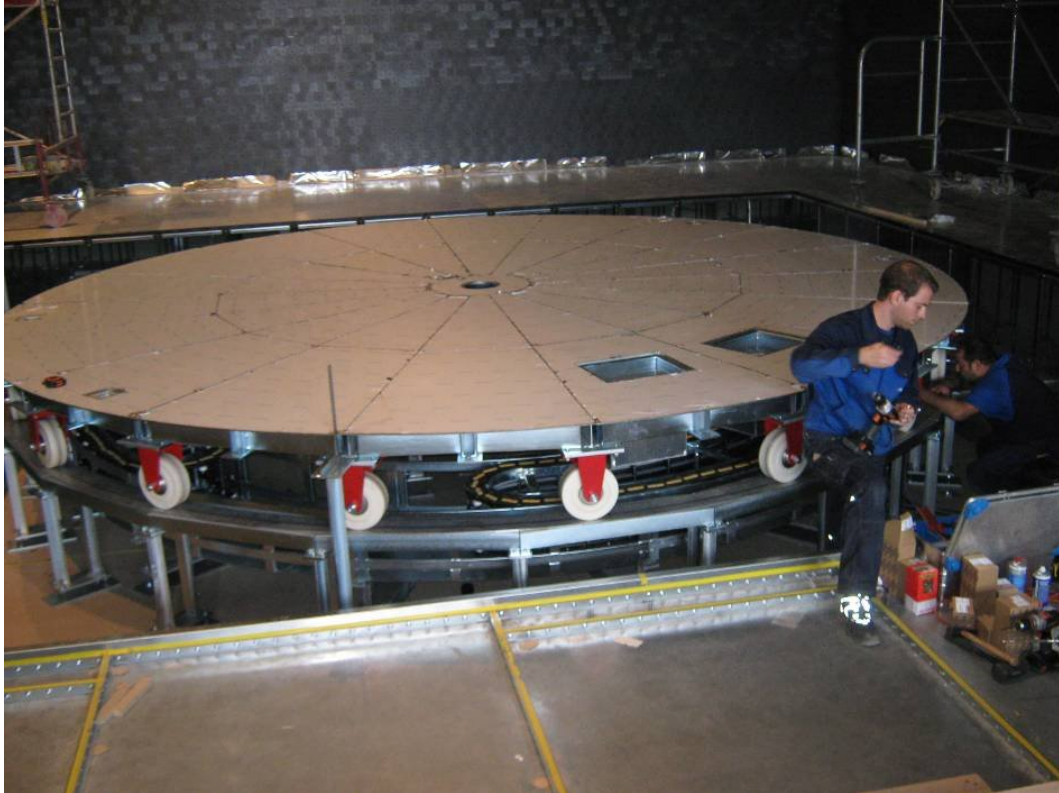


Heavy Duty Turntables Options



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.

1) Energy Chain (-EC)

For Power supply for EUT outside the centre of the turntable:

The power supply for the EUT is distributed by an energy chain (movable cable duct) to the connection boxes (access panels). The access panels are located at the perimeter of the turntable for easy access. Power supply outside the turntable centre provided by access panels.

The state-of-the-art energy chain is equipped with wheels and rollers at the bottom and the side walls for a smooth and maintenance free running.

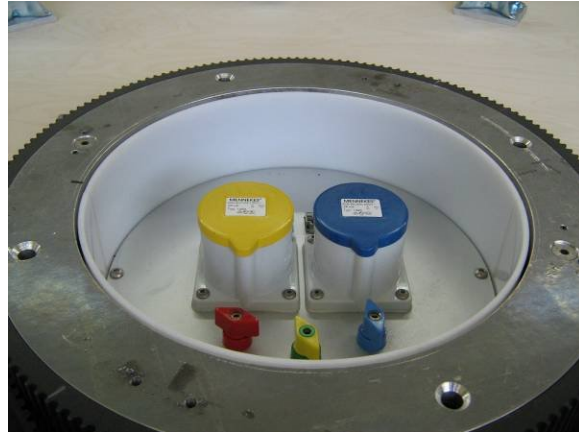
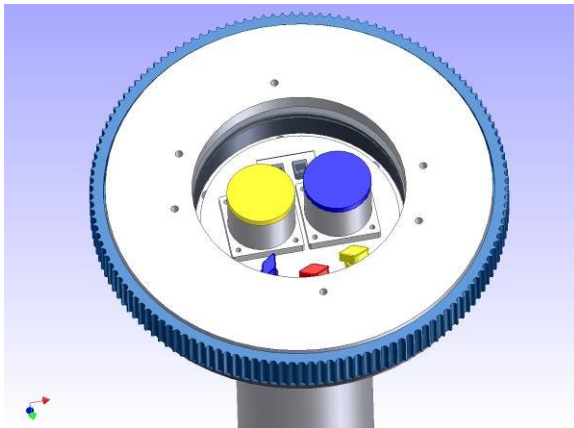


Figures: Principle of energy chain

2) Continuous Rotation with Slip Ring for EUT Supply Cables (-C)

Power supply for EUT with slip ring or rotary joint for continuous rotation of turntable

Prevents cables from twisting and damage while rotating.
Different versions of slip rings/rotary joints are available.



Figures: Principle of continuous rotation with slip ring

3) Integrated Exhaust Gas Extraction System (-EG)

The exhaust extractions system includes the following components:

- Movable exhaust pipes mounted above the cover; the pipe is attached rear left and rear right to the vehicle area
- Fixed exhaust pipe fixed underneath the cover; provided up to the honeycomb in the shielded wall of the pit
- Adapters to connect the exhaust pipe to the honeycomb



Figures: Principle of exhaust gas extraction system

4) Cooling fan system:

Shielded fans provide a sufficient cooling for the tyres and the motor of the vehicle under test.

A removable plastic air scoop on top of the turntable is used to detour the airflow.

The fan speed can be set either proportional to the roller speed (up to 60 km/h) or to a constant speed.

Installation of the cooling fans is below the cover

Wind speed: 60 km/h

Air flow: 10.000 m³/h



Figures: Example of integrated cooling fan system

5) Open Area Design (-O)

Designed for flush mounted installation in open area test sites (OATS).
The carrier plate is made of galvanised or stainless steel.
Drive unit and electronic components water-resistant
Temperature working range: -10 °C...+40 °C



Figures: Example Turntable with OATS design

6) Integrated Dynamometer (DYN-I)

The Dynamometer DYN-I is constructed as a chassis dynamometer, which can be integrated into a turntable.

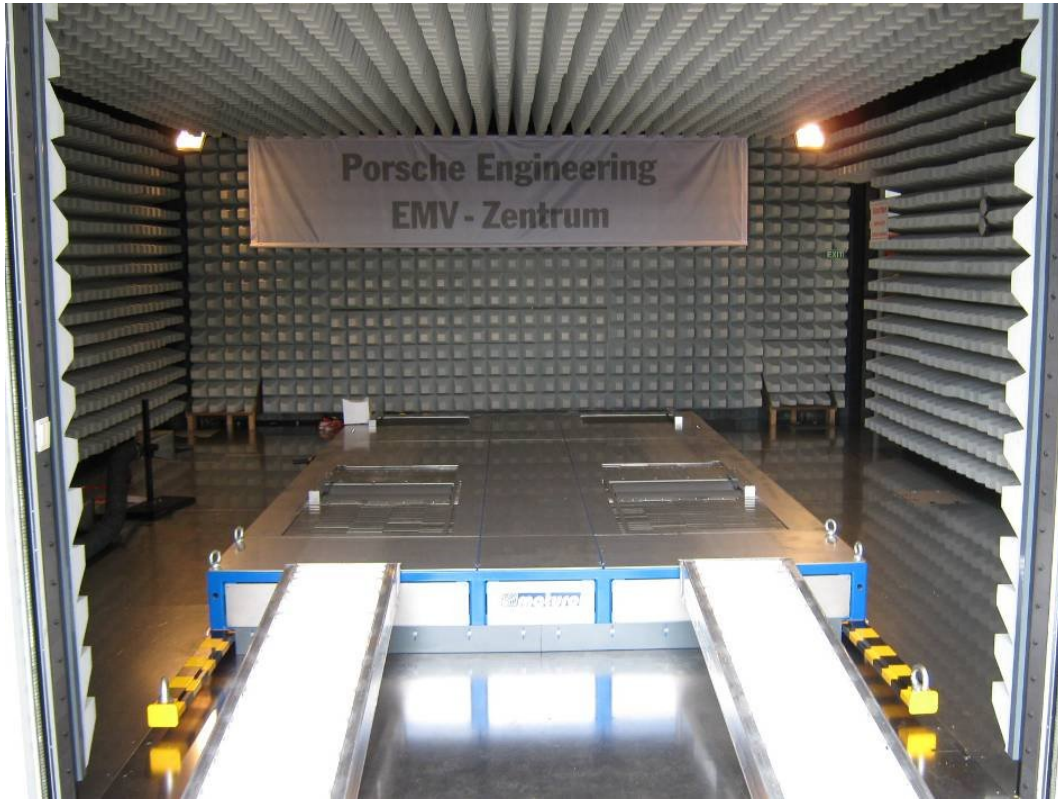
Different versions of passive rollers, 2WD or 4WD drive available.



Figures: Examples of integrated dynamometers

7) Free-standing Dynamometer (F-DYN)

Free-standing Dynamometers can be placed either on top of a turntable or the floor.
Different versions of passive rollers, 2WD or 4WD drive available.



Figures: Examples of free-standing dynamometers