

Turntable TT 0.8 PF

Technical Data

Diameter		0.8 m
Load capability		100 kg
Height	min.	180 mm
Material cover plate		Integral skin-foam sheets made of PVC
Rotating speed adjustable between		0.2 to 2.0 rpm
Positioning accuracy	better	+/- 1°
Rotating angle		+/- 200°
Turntable drive		Belt drive
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed under EN 55022 class B
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature working range		-10 °C...+35 °C
Total weight		35 kg

Accessories

Interface to SCU/MCU Controller

1.5 m power supply cable

Service manual



Brief description

The turntable **TT 0.8 PF** is especially designed for freestanding installation on surface floor in electromagnetic absorption chambers. The carrier plate is made of integral skin-foam sheets made of rigid PVC. The TT 0.8 PF is dismantlable and easy to transport.

A 50 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 1.2 WF

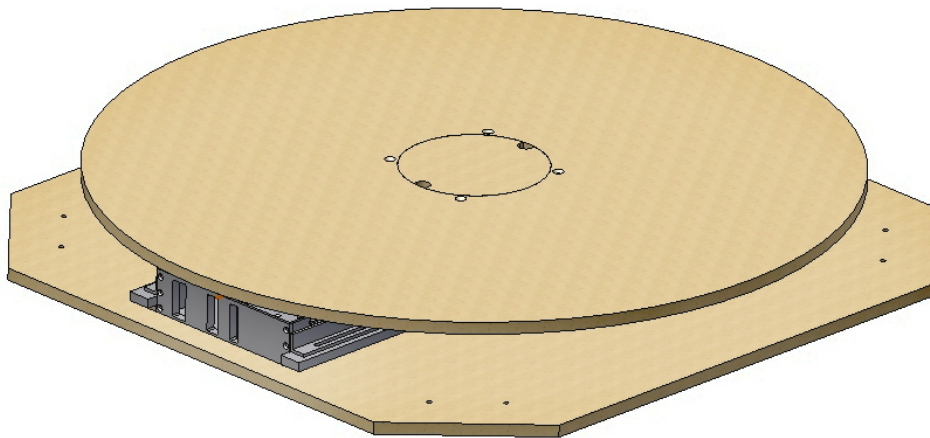
Technical Data

Diameter		1.2 m
Permissible load		300 kg
Height	min.	156 mm
Material carrier plate		Laminated wood
Rotating speed adjustable between		0.2 to 2.0 rpm
Positioning accuracy	better	+/- 1°
Rotating angle		+400°/-200°
Turntable drive		Toothed belt drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2 A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature range		-10°C to +35°C
Total weight		80 kg

Accessories

Interface to SCU/MCU Controller

1.5 m power supply cable
Service manual



Brief description

The turntable **TT 1.2 WF** is especially designed for freestanding installation on surface floor in electromagnetic absorption chambers. The carrier plate is made of waterproof, laminated and lacquered wood.

A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 1.5 WF

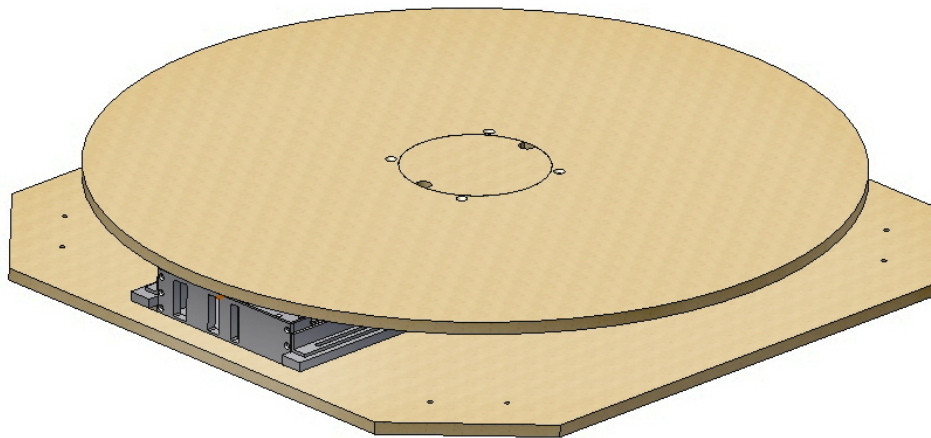
Technical Data

Diameter		1.5 m
Permissible load		500 kg
Height	min.	156 mm
Material carrier plate		Laminated wood
Rotating speed adjustable between		0.2 to 2.0 rpm
Positioning accuracy	better	+/- 1°
Rotating angle		+400°/-200°
Turntable drive		Toothed belt drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2 A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature range		-10°C to +35°C
Total weight		110 kg

Accessories

Interface to SCU/MCU Controller

1.5 m power supply cable
Service manual



Brief description

The turntable **TT 1.5 WF** is especially designed for freestanding installation on surface floor in electromagnetic absorption chambers. The carrier plate is made of waterproof, laminated and lacquered wood.

A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 2.0 WF

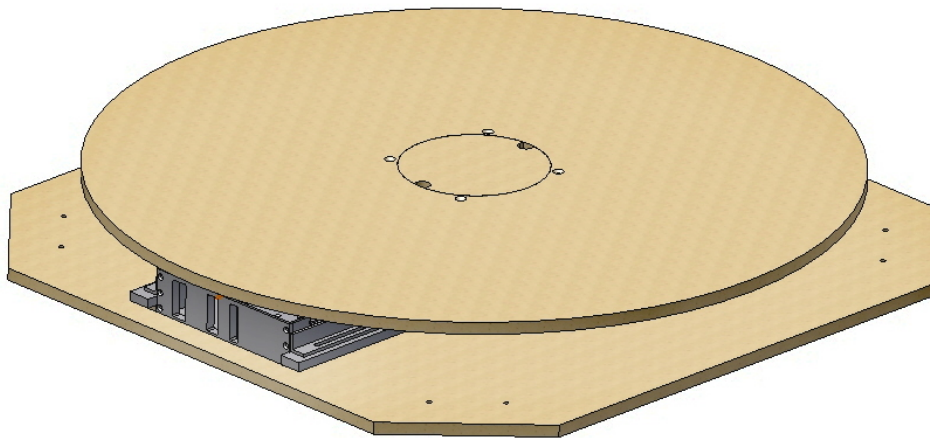
Technical Data

Diameter		2.0 m
Permissible load		500 kg
Height	min.	156 mm
Material carrier plate		Laminated wood
Rotating speed adjustable between		0.2 to 2.0 rpm
Positioning accuracy	better	+/- 1°
Rotating angle		+400°/-200°
Turntable drive		Toothed belt drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2 A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature range		-10°C to +35°C
Total weight		150 kg

Accessories

Interface to SCU/MCU Controller

1.5 m power supply cable
Service manual



Brief description

The turntable **TT 2.0 WF** is especially designed for freestanding installation on surface floor in electromagnetic absorption chambers. The carrier plate is made of waterproof, laminated and lacquered wood.

A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 1.2 WI

Technical Data

Diameter		1.2 m
Load capability		500 kg
Height	min.	166 mm
Material carrier plate		Laminated Wood
Rotating speed adjustable between		0.2 to 2.0 rpm
Rotating angle		+400°/-200°
Positioning accuracy	better	+/- 1°
Turntable drive		Chain drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed under EN 55022 class B
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature range		-10 °C...+35 °C
Total weight		120 kg
Accessories		Interface to SCU/MCU Controller 1.5 m power supply cable Service manual

Brief description

The turntable **TT 1.2 WI** is especially designed for installation in fully anechoic electromagnetic absorption chambers. The carrier plate is made of waterproof, laminated and lacquered wood.

There is a division plate between the wooden plates, which can be covered with ferrite tiles in order that there are no metal parts above the ground plane.

A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 1.5 WI

Technical Data

Diameter		1.5 m
Load capability		500 kg
Height	min.	166 mm
Material carrier plate		Laminated Wood
Rotating speed adjustable between		0.2 to 2.0 rpm
Rotating angle		+400°/-200°
Positioning accuracy	better	+/- 1°
Turntable drive		Chain drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed under EN 55022 class B
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature range		-10 °C...+35 °C
Total weight		160 kg
Accessories		Interface to SCU/MCU Controller 1.5 m power supply cable Service manual

Brief description

The turntable **TT 1.5 WI** is especially designed for installation in fully anechoic electromagnetic absorption chambers. The carrier plate is made of waterproof, laminated and lacquered wood.

There is a division plate between the wooden plates, which can be covered with ferrite tiles in order that there are no metal parts above the ground plane.

A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 2.0 WI

Technical Data

Diameter		2.0 m
Load capability		500 kg
Height	min.	166 mm
Material carrier plate		Laminated Wood
Rotating speed adjustable between		0.2 to 2.0 rpm
Rotating angle		+400°/-200°
Positioning accuracy	better	+/- 1°
Turntable drive		Chain drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed under EN 55022 class B
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature range		-10 °C...+35 °C
Total weight		200 kg
Accessories		Interface to SCU/MCU Controller 1.5 m power supply cable Service manual

Brief description

The turntable **TT 2.0 WI** is especially designed for installation in fully anechoic electromagnetic absorption chambers. The carrier plate is made of waterproof, laminated and lacquered wood.

There is a division plate between the wooden plates, which can be covered with ferrite tiles in order that there are no metal parts above the ground plane.

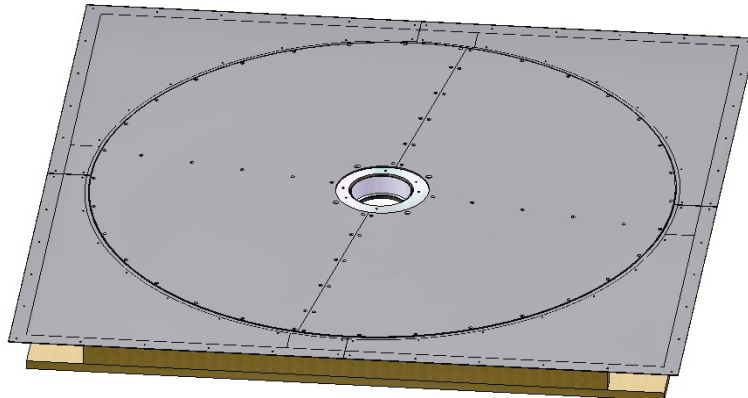
A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 1.2 SI

Technical Data

Diameter		1.2 m
Load capability		500 kg
Height		130 mm
Material cover plate		stainless steel
Rotating speed adjustable between		0.2 to 2.0 rpm
Positioning accuracy	better	+/- 1°
Rotating angle		+400°/-200°
Turntable drive		Belt drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed under EN 55022 class B
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Concentricity tolerance		+/- 3 mm
Elevation tolerance less than		5 mm
Ground plane connecting every		50 mm
Square form environment		1.5 m x 1.5 m
(for easy connection to ground plane)		
Temperature working range		-10 °C...+35 °C
Accessories		Interface to SCU/MCU Controller 1.5 m power supply cable Service manual



Brief description

The turntable **TT 1.2 SI** is especially designed for flush mounted installation in semi anechoic electromagnetic absorption chambers. The carrier plate is made of stainless steel.

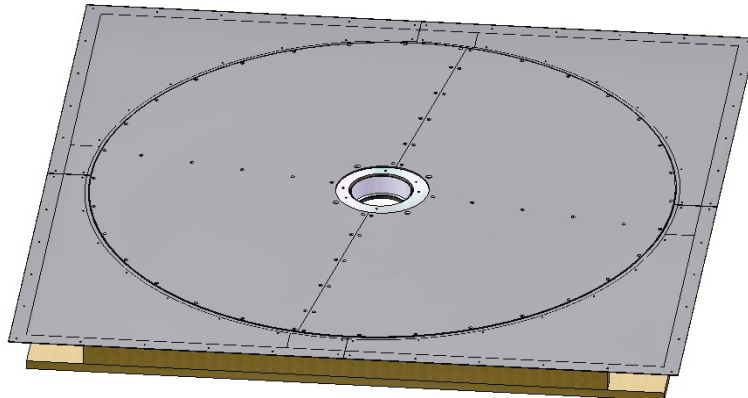
A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 1.5 SI

Technical Data

Diameter		1.5 m
Load capability		500 kg
Height		130 mm
Material cover plate		stainless steel
Rotating speed adjustable between		0.2 to 2.0 rpm
Positioning accuracy	better	+/- 1°
Rotating angle		+400°/-200°
Turntable drive		Belt drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed under EN 55022 class B
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Concentricity tolerance		+/- 3 mm
Elevation tolerance less than		5 mm
Ground plane connecting every		50 mm
Square form environment (for easy connection to ground plane)		1.8 m x 1.8 m
Temperature working range		-10 °C...+35 °C
Accessories		Interface to SCU/MCU Controller 1.5 m power supply cable Service manual



Brief description

The turntable **TT 1.5 SI** is especially designed for flush mounted installation in semi anechoic electromagnetic absorption chambers. The carrier plate is made of stainless steel.

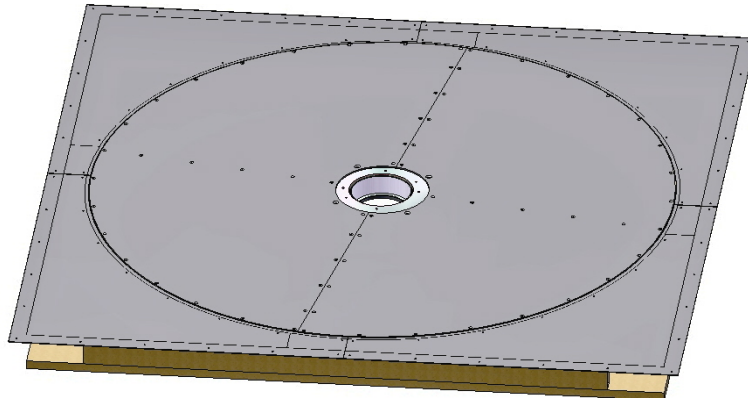
A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 2.0 SI

Technical Data

Diameter		2.0 m
Load capability		1000 kg
Height		150 mm
Material cover plate		stainless steel
Rotating speed adjustable between		0.2 to 2.0 rpm
Positioning accuracy	better	+/- 1°
Rotating angle		+400°/-200°
Turntable drive		Belt drive, worm gear
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed under EN 55022 class B
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Concentricity tolerance		+/- 3 mm
Elevation tolerance less than		5 mm
Ground plane connecting every		50 mm
Square form environment (for easy connection to ground plane)		2.3 m x 2.3 m
Temperature working range		-10 °C...+35 °C
Accessories		Interface to SCU/MCU Controller 1.5 m power supply cable Service manual



Brief description

The turntable **TT 2.0 SI** is especially designed for flush mounted installation in semi anechoic electromagnetic absorption chambers. The carrier plate is made of stainless steel.

A 200 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

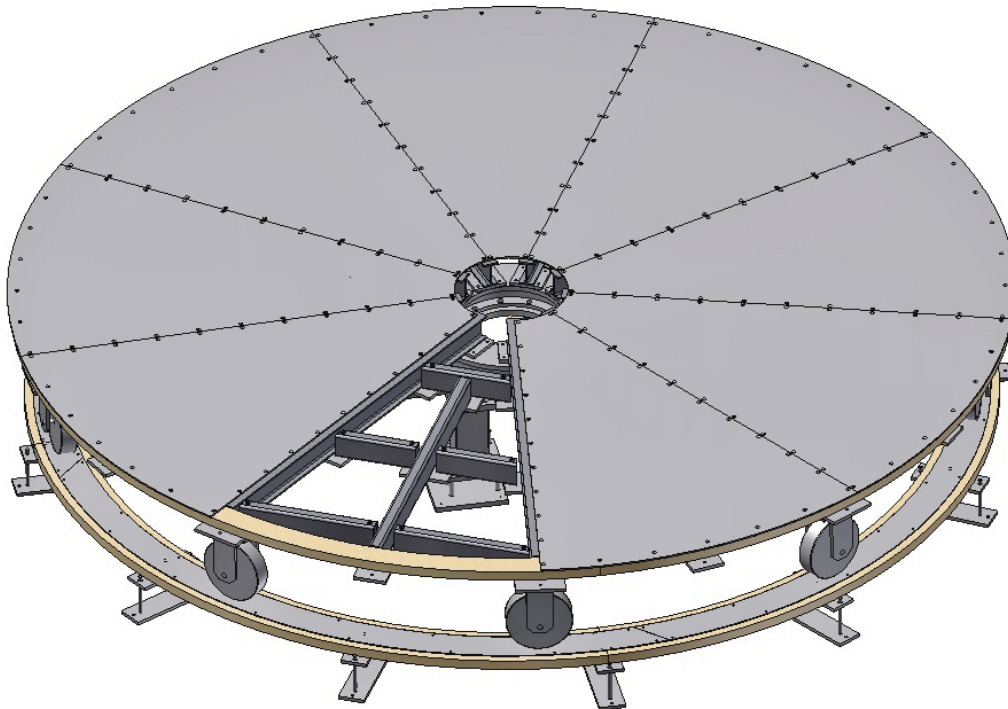
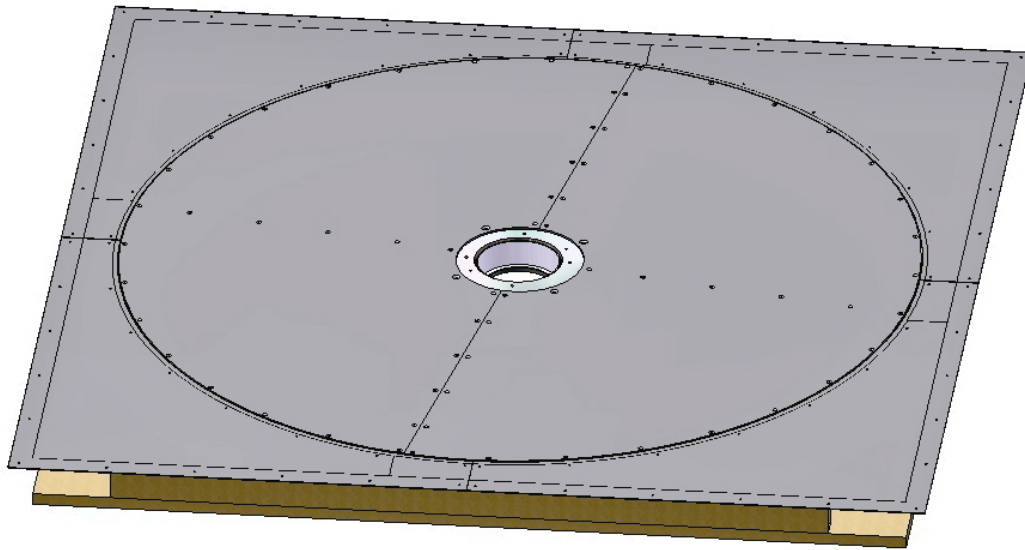
The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

Turntable TT 3.0-3t



Technical Data

Diameter		3.0 m
Load capability		3000 kg
Height	min	0.3 m
Material cover plate		stainless steel
Rotating speed adjustable between		0.2 to 2.0 rpm
Positioning accuracy	better	+/- 1°
Rotating angle		+/- 200° (total 400°)
Turntable drive		Helical-bevel gear
Motor		Asynchrony motor, frequency inverter
Drive unit		Shielded and radio interference suppressed under EN 55022 class B
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	10A
Voltage		208-230 VAC, 50/60 Hz, single phase
Concentricity tolerance		+/- 3 mm
Elevation tolerance less than		5 mm
Ground plane connecting every		50 mm
Square form environment (for easy connection to ground plane)		3.3 m x 3.3 m
Temperature working range		-10 °C...+40 °C
Accessories		Interface to SCU/MCU Controller 1.5 m power supply cable Service manual



Brief description

The turntable **TT 3.0-3t** is especially designed for flush mounted installation in semi anechoic electromagnetic absorption chambers. The carrier plate is made of stainless steel.

A 275 mm diameter opening in the centre of the turntable provides the capability to insert power supply for testing.

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **SCU/MCU Controller**.

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.

Safety for EUT:

For the safety of the EUT, the turntable is equipped with an acceleration/deceleration function for start and stop ramps to avoid jerky movements.

Connection to the ground plane:

Long-lasting, maintenance-free contact system to the ground plane is provided

Material: hollow core copper beryllium tubing

Details of the connection to the ground plane have to be discussed with the chamber manufacturer.

Covering:

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).

A framework design allows an easy installation of the dynamometer also if the dynamometer will be installed later on.