

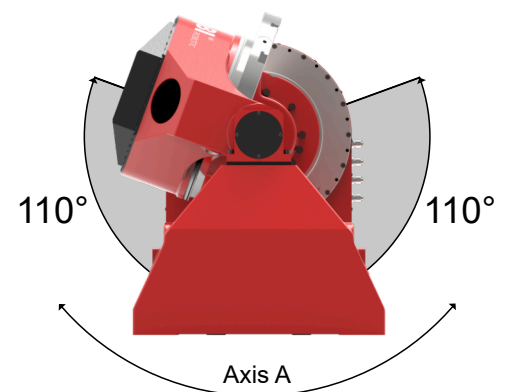


Technical data

	MMT-650-500-DD
Load 5-Axis dynamic / static (mech. clamped)	350 kg / 500 kg
Diameter of the face plate	650 mm
Interference circle diameter for workpiece, max.	730 mm
Distance of the faceplate to the A-axis	- 50 mm
incl. parallel T-slots according to DIN 650	1x14H7 / 4x 14H11
Drive	Direct drive with torque motor
Weight	1400 kg
Color	RAL 3002
Ambient temperature	+15°C to +45°C
Air humidity	max. 95%
This device is designed for	Milling applications
	Axis A
Swivel range	± 110°
Speed of Axis A, max.	60 U/min
Swivel Axis System accuracy	2"
Swivel Axis repeatability	1"
Peak torque	2'055 Nm
Continuous torque	1'325 Nm
Peak current	45.3 A
Continuous current	22.6 A
Required cooling capacity, max.	4'910 W
Temperature difference (input-output)	5 K
Cooling water volume flow, min.	16 l/min
Pressure loss, approx.	2 bar
Inlet pressure, max.	10 bar
Tilting torque, max.	2'600 Nm
Axial load, max.	5'000 N
Type of clamping	Pneumatic with booster
Required pressure	6 bar

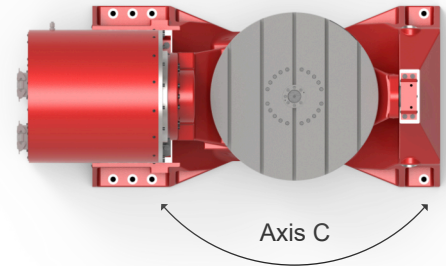
Application

The MMT-650-500-DD is a key component for advanced CNC robotic systems. With powerful axis movements, high precision, and seamless integration into flexible cells, it suits applications from AM to high-end milling. Its dynamics and robustness ensure accuracy and repeatability in demanding machining. Integrated automation reduces set-up times and boosts productivity—especially combined with MAX robots for next-generation production.



Technical data

	Axis C
Rotation range	Endless
Speed of the faceplate, max.	100 U/min
System accuracy	4"
Repeatability	1"
Peak torque	753 Nm
Continuous torque	402 Nm
Peak current	39.3 A
Continuous current	17.6 A
Required cooling capacity, max.	2'105 W
Temperature difference (input-output)	5 K
Cooling water volume flow, min.	8.9 l/min
Pressure loss, approx.	2 bar
Inlet pressure, max.	10 bar
Type of clamping	Pneumatic with booster
Required clamping	6 bar
Controller MMT-650-500-DD	
Controller	SIEMENS SINUMERIK ONE
Power supply	360 - 440 VAC, 50/60 Hz
Protection class	IP54



Face plate (in mm)

