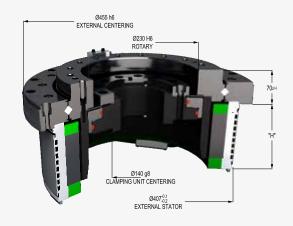




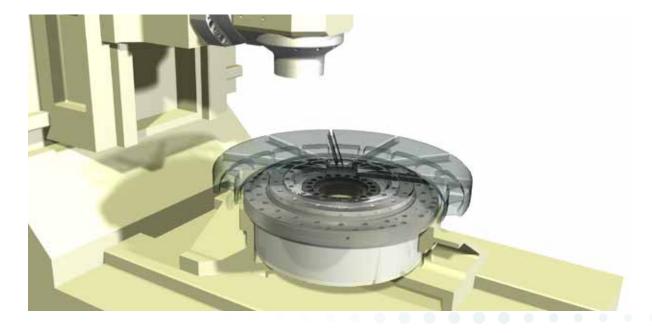
MT 360



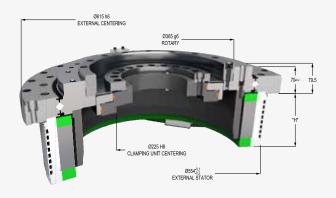
	PRODUCT RANGE								
	SIZE 30	SIZE 50	SIZE 70	SIZE 100	SIZE 150				
Н	77	97	117	147	197				

MODULE TECHNICAL SPECIFICATIONS									
			SIZE 30	SIZE 50	SIZE 70	SIZE 100	SIZE 150		
Motor rated torque (Air Cooling)	Tac	[Nm]	112	175	249	341	504		
Motor rated current (Air Cooling)	lac	[A]	6,4	6	12	11,6	18		
Motor rated torque (Water Cooling)	Twc	[Nm]	239	415	587	821	1240		
Motor rated current (Water Cooling)	lwc	[A]	13,5	14	29,4	28,6	45		
Motor peak torque	Tpk	[Nm]	428	724	1013	1448	2173		
Motor peak current	lpk	[A]	36,8	35	73,5	73,5	115		
Max Intermittent rotation speed	N max	[rpm]	95						
Recommended payload		[Kg]	up to 2500						
Clamping torque (@80 bar)	Standard	[Nm]	2920						
Clamping torque (@80 bar)	Advanced	[Nm]	5110						
Interface of measuring system			Absolute EnDat2.2						
Max system accuracy		[arcsec]	± 7 (standard accuracy) / ± 3 (high accuracy)						
Precision / Repeatability		[arcsec]	±1						

Its compact design with reduced axial dimensions, ensures versatility of use and different possibilities of installation:



MT 500



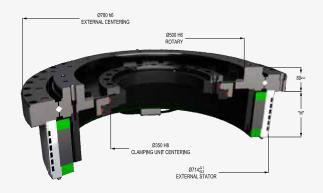
	PRODUCT RANGE								
	SIZE 30	SIZE 50	ZE 50 SIZE 70		SIZE 150				
Н	75	95	115	145	195				

MODULE TECHNICAL SPECIFICATIONS								
			SIZE 30	SIZE 50	SIZE 70	SIZE 100	SIZE 150	
Motor rated torque (Air Cooling)	Tac	[Nm]	220	340	435	615	922	
Motor rated current (Air Cooling)	lac	[A]	10,2	11	9,8	12	17,3	
Motor rated torque (Water Cooling)	Twc	[Nm]	450	790	1100	1530	2390	
Motor rated current (Water Cooling)	lwc	[A]	22,6	26,3	25	31	47	
Motor peak torque	Tpk	[Nm]	760	1460	1750	2400	3600	
Motor peak current	lpk	[A]	50	46	55	67	99	
Max Intermittent rotation speed	N max	[rpm]	70					
Recommended payload		[Kg]	up to 4000					
Clamping torque (@80 bar)	Standard	[Nm]	5710					
Clamping torque (@80 bar)	nping torque (@80 bar) Advanced [Nm] 10000							
Interface of measuring system			Absolute EnDat2.2					
Max system accuracy	(system accuracy ± 5 (standard accuracy) $/ \pm 3$ (high accuracy)				uracy)			
Precision / Repeatability		[arcsec]	±1					

Application in the structural parts of a two-axis table



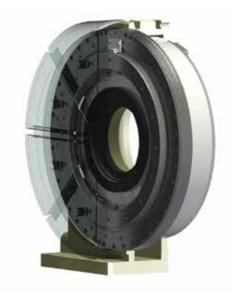
MT 660



	PRODUCT RANGE								
	SIZE 30	IZE 30 SIZE 50 SIZE 70		SIZE 100	SIZE 150				
H1	84	104	124	154	194				

MODULE TECHNICAL SPECIFICATIONS								
			SIZE 30	SIZE 50	SIZE 70	SIZE 100	SIZE 150	
Motor rated torque (Air Cooling)	Tac	[Nm]	400	523	835	1200	1800	
Motor rated current (Air Cooling)	lac	[A]	10,5	11,3	14,3	17,7	25	
Motor rated torque (Water Cooling)	Twc	[Nm]	815	1300	2012	2900	4000	
Motor rated current (Water Cooling)	lwc	[A]	21,2	26	34	42	57	
Motor peak torque	Tpk	[Nm]	1600	2400	3500	5000	7200	
Motor peak current	lpk	[A]	56,5	56	80	101	138	
Max Intermittent rotation speed	N max	[rpm]	50					
Recommended payload	[Kg] up to 7000							
Clamping torque (@80 bar)	Standard	[Nm]	10100					
Clamping torque (@80 bar)	Advanced	[Nm]	17700					
Interface of measuring system	measuring system Incremental distance coded 1Vpp							
Max system accuracy		[arcsec]	± 5 (standard accuracy) / ± 3 (high accuracy)				racy)	
Precision / Repeatability [arcsec] ±1								

The MT 660 module assembled into structural parts of rotary milling table positionable at 0° and 90°



A NEW INDUSTRIAL COMPONENT:

The torque servo motor for machine tool axis

THE INNOVATIVE CONCEPT

Not only a Direct Drive motor, but a fully integrated component that simplifies configuration of a machine tool rotary axis.

HIGHLY ENGINEERED STRUCTURE

The key factor is the deep level of **INTEGRATION** in **ONE** component of the typical elements of a machine tool rotary axis:

- DIRECT DRIVE MOTOR (TORQUE MOTOR)
- MAIN SUPPORT BEARING WITH INTEGRATED MECHANICAL INTERFACE (TECHNAI PROPRIETARY DESIGN)
- HIGH PRECISION FEEDBACK ENCODER
- HYDRAULIC ACTUATED CLAMPING DEVICE

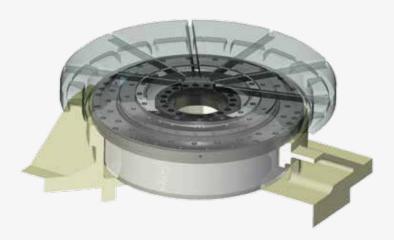
COMPLETE PRODUCT RANGE

The range of MT rotary transmission modules is made of 3 sizes, corresponding to the respective stator diameter: MT-360, MT-500, MT-660 each one equipped with different motor lengths and with a set of options to customize and make the product suitable for multiple configurations.

APPLICATION FIELDS

Realization of the 4th or 5th axis on:

- Movable column milling machines
- Medium size gantry and portal milling machines
- Vertical/Horizontal machining centres



MAJOR INNOVATIONS AND BENEFITS

Integrated Direct Drive technology

Very competitive

cost/performance ratio

Machine/Table interface simple

to design

Ease and speed of installation

Reliability and precision due to

rational assembly and low

number of components

Maintenance free

Limited runout

High stiffness

Positioning accuracy

High performance hydraulic clamp for indexed axis machining



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