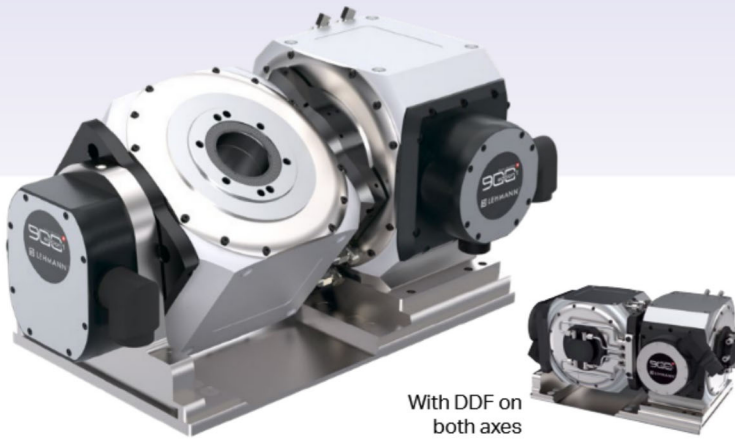


TDD35-300M and TDD55-300M



Both axes with direct drive

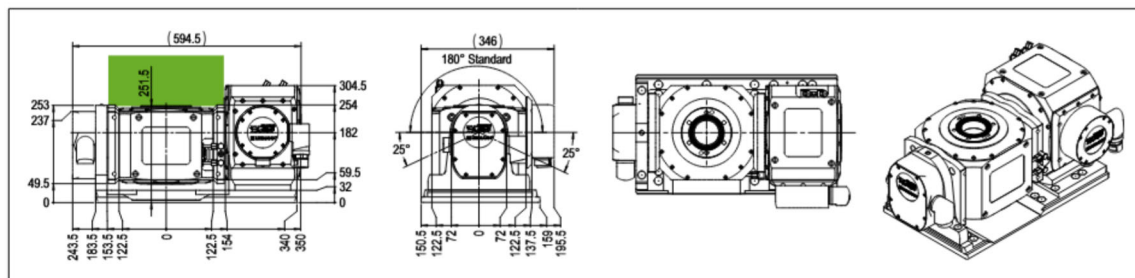
- good accessibility
- ideal for power skiving, 5Ax-simultaneous machining, millturn

General technical data

Drive data: see p. 25

			TDD35-300M	TDD55-300M	TDD38-240V	TDD58-240V
Weight (aluminum base plate)		kg	190 (166)		258	
Spindle through-bore		mm	64			
Clamping torque	4th axis	Nm	max. 800			
at max. 5 bar air pressure	5th axis	Nm				
Spindle load (max. permissible)		kg	40		90	
Axial force (max. permissible)		kN	20			
Pull-out torque	clamped	Nm	1'000			
	unclamped		400			
Moment of inertia	Standard load	kgm²	0.07	0.2	0.07	0.2
	J max		0.7*	2*	0.7*	2*
Positioning accuracy +/- (unloaded, -90 to +90°)	4th axis Fanuc	± arc sec	8			
	5th axis Fanuc		8			
	4th axis Siemens 1-head		20			
	5th axis Siemens 1-head		22			
	4th axis Siemens 2-head		5			
	5th axis Siemens 2-head		5			
	4th axis Mitsubishi		20			
	5th axis Mitsubishi		22			
Repeat accuracy +/- (unloaded)	4th axis	± arc sec	1			
	5th axis					
Cycle time with standard load (without clamping)	4th axis	sec	0.19	0.24	0.19	0.24
	5th axis		0.48		0.46	
	4th axis		0.24	0.3	0.24	0.3
	5th axis		0.65		0.61	
Radial run-out	on spindle ø	µm	6 / 3	6 / 3	6 / 3	6 / 3
Axial run-out	on spindle end face	µm	6 / 3	6 / 3	6 / 3	6 / 3
Parallelism	Spindle to base	µm/100mm	10 / 5	10 / 5	10 / 5	10 / 5

* Speed reduction required



TDD38-240V and TDD58-240V



Shorter machine travel for simultaneous machining

- Accelerated machining
- Higher accuracy at the workpiece
- ideal for impeller machining

Available combinations

	Dividing/indexing axis motor*	Swiveling/tilting axis motor*	
TDD35-300M	MOT.HW-A (MOT.ET-A)	MOT.HW-B (MOT.ET-B)	
TDD55-300M	MOT.HW-B (MOT.ET-B)	MOT.HW-B (MOT.ET-B)	on request
TDD38-240V	MOT.HW-A (MOT.ET-A)	MOT.HW-C (MOT.ET-C)	
TDD58-240V	MOT.HW-B (MOT.ET-B)	MOT.HW-C (MOT.ET-C)	on request

* Motor data: see p. 25, motorization is confirmed whenever placing an order

Item no.

TDD38-240V-AB

Gear A=low, B=high
 Rotary axis position M=medium, V=valley
 Swing diameter 240...300 mm
 Size 35, 38, 55, 58
 Rotary table model* T00

* Definition of terms, see p. 22/23



Impellers



Workpiece with internal tooting

