



DIRECT DRIVEN HIGH-SPEED ROTARY TABLES

FIBRO

DYN^{DM}





FIBRODYN DM

EXTREMELY DYNAMIC ...

A turbo among rotary tables – the new FIBRODYN DM direct driven rotary tables with torque motor are optimally suited for all handling and assembly applications that require the shortest indexing times and flexible positioning.

The direct driven rotary table FIBRODYN DM is the optimal solution when time is money and set-up changing costs are expensive. Thanks to its measuring system directly in the rotary table axis, any position can be moved to with the highest precision.

The slim design with its very space-saving, compact construction with its fitted boreholes make very easy to integrate into your system. Additional subsequent costs are also reduced thanks to the lifetime lubrication of the rotary table.

The new FIBRODYN DM is available in three sizes with an assembly diameter up to 1600 mm and the maximum transport load of 750 kg. The rotary table is also available as decentralised stand-alone solution with integrated control. In this version, it offers the ideal opportunity to

save a separate external NC control to minimize the implementation and start-up costs and to realize small machines without complex peripherals.

FIBRODYN DM Rotary tables Sizes		DM.0150	DM.0200	DM.0315
Table top diameter	mm	120	170	280
Housing diameter	mm	150	200	315
Centre hole diameter	mm	22	22	22
Maximum superstructure diameter	mm	650	1.000	1.600
Overall height	mm	165	125	160
Rated torque	Nm	12,0	30,0	148
Maximum torque	Nm	36,0	93,7	415
Maximum table top speed	rpm	400	200	200
Permitted moment of inertia J	kgm ²	1,44	6,9	87,5
Permitted transport load	kg	50	250	750
Permitted axial loading on the indexing table	N	2.500	4.000	10.000
Permitted radial loading on the indexing table	N	500	1.000	5.000
Permitted tilting moment on the indexing table	Nm	100	200	1.000
Indexing accuracy	±	21"	21"	21"
Repeatability	±	7"	7"	7"
Axial runout of table top	mm	0,02	0,02	0,03
Concentricity of centre hole	mm	0,02	0,02	0,02
Weight (without drive unit)	kg	13	17	58

... FLEXIBLE AND PRECISE.

THE MOST IMPORTANT FACTS AT A GLANCE:

- Shortest indexing times, thanks to extreme torque
- Freely programmable positions
- Large centre hole
- Integrated control and the most simple pluggable cable connections for logic and power supply
- No customer implementation required
- Simple handling, thanks to the intuitive program software FIBRO Servolink
- No wear parts
- No external cooling needed
- Independant operation – intelligent stand-alone solution including diagnosis function via LED
- Teach-In Funktion



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