

**Technical data High-Z / T-Rex CNC-portal milling machine with ball screws/spindles and bellows**



T-REX 0609



T-REX 0712



T-REX 1215



T-REX 1224



T-REX 3020

Article number	120010	120020	120030	120040	120110
Travel X-axis	900 mm	1200 mm	1500 mm	2400 mm	3000 mm
Travel Y-axis	600 mm	700 mm	1200 mm	1200 mm	2100 mm
Travel Z-axis	100 mm	100 mm	100 mm	100 mm	150 mm
Max. height clearance Z (upper edge of frame, lower edge bridge)	120 mm	120 mm	120 mm	120 mm	200 mm
Clamping Area X / Y on grooved panel	1300 x 780 mm	1650 x 880 mm	1860 x 1340 mm	2800 x 1340 mm	3800 x 2300 mm
Length x width x height over all in cm	154x120x142	196x130x142	218x180x142	310x180x142	370x270x158
Weight ca.	300 kg	350 kg	400 kg	500 kg	1060 kg
Linear guidings HIWIN / THK; width X/Y	15/15 mm	15/15 mm	15/15 mm	15/15 mm	20/15 mm
Linearführungen HIWIN / THK; Breite Z / Ø	Ø 16 mm	Ø 16 mm	Ø 16 mm	Ø 16 mm	15 mm
Ball screws/spindles X / Y / Z : Ø	24/16/16	24/16/16	32/16/16	32/16/16	X/Y helical cut. racks / Z 16
Frame construction	steel/cast steel	steel/cast steel	steel	steel	steel
Guidings Z Ø	16 mm	16 mm	16 mm	16 mm	16 mm
Steps/revolution 1/10 micro-step	2000	2000	2000	2000	2000
Slope ball screw spindle X/Y/Z	10/10/5 mm	10/10/5 mm	10/10/5 mm	10/10/5 mm	transmission 1:20
Programmable resolution minimal (Z)	0,0025 mm	0,0025 mm	0,0025 mm	0,0025 mm	0,00635 mm
Backlash	+/- 0,015 mm	+/- 0,015 mm	+/- 0,015 mm	+/- 0,015 mm	+/- 0,025 mm
Repeatable accuracy	0,01 mm	0,01 mm	0,01 mm	0,01 mm	0,01 mm
Max. rapid speed, measured diagonal travel X + Y	17.000 mm/min	17.000 mm/min	12.000 mm/min	12.000 mm/min	18.000 mm/min
Operating speed max.	12.000 mm/min	12.000 mm/min	8.000 mm/min	8.000 mm/min	14.000 mm/min
incl. CNC-control Zero3 / 5-channel	✓	✓	✓	✓	RaptorX-SL Control 3x10A.
incl. Kress milling engine FME 1050-1 (1,05 kW)	✓	✓	✓	✓	✓
incl. USB remote control	✓	✓	✓	✓	✓
Supported operating systems: Windows / Linux	✓	✓	✓	✓	✓
<u>incl. T-slot table made of aluminium (f. short time.)</u>	✓	✓	✓	✓	✓
<u>incl. milling software WIN PCNC USB</u>	✓	✓	✓	✓	✓
incl. shielded IGUS cabling	✓	✓	✓	✓	✓
<u>incl. Full version software CAD/CAM ConstruCam 3D with post-processor for Win PCNC and MACH3</u>	✓	✓	✓	✓	✓
<b>Prices in EUR (netto excl. 19 % MwSt.)</b>	<b>7.218,50</b>	<b>9.823,50</b>	<b>11.588,50</b>	<b>14.193,30</b>	<b>22.680,70</b>

