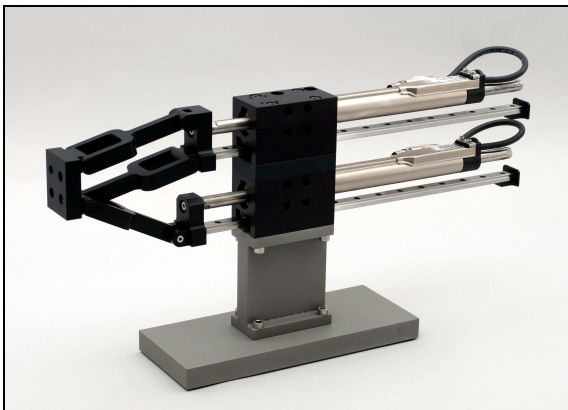


ParaPicker[®] Pick&Place with Parallel Kinematics PP02-23

The **ParaPicker[®]** PP02-23 are high-dynamic, two-axes Pick&Place systems with parallel kinematics. Two linear motor actuators are used as drives, making the moving masses very low. This also makes the PP02-23 especially suitable for applications with high cycles. As a ready-to-use construction element, they are an ideal alternative to classic serial kinematic systems.



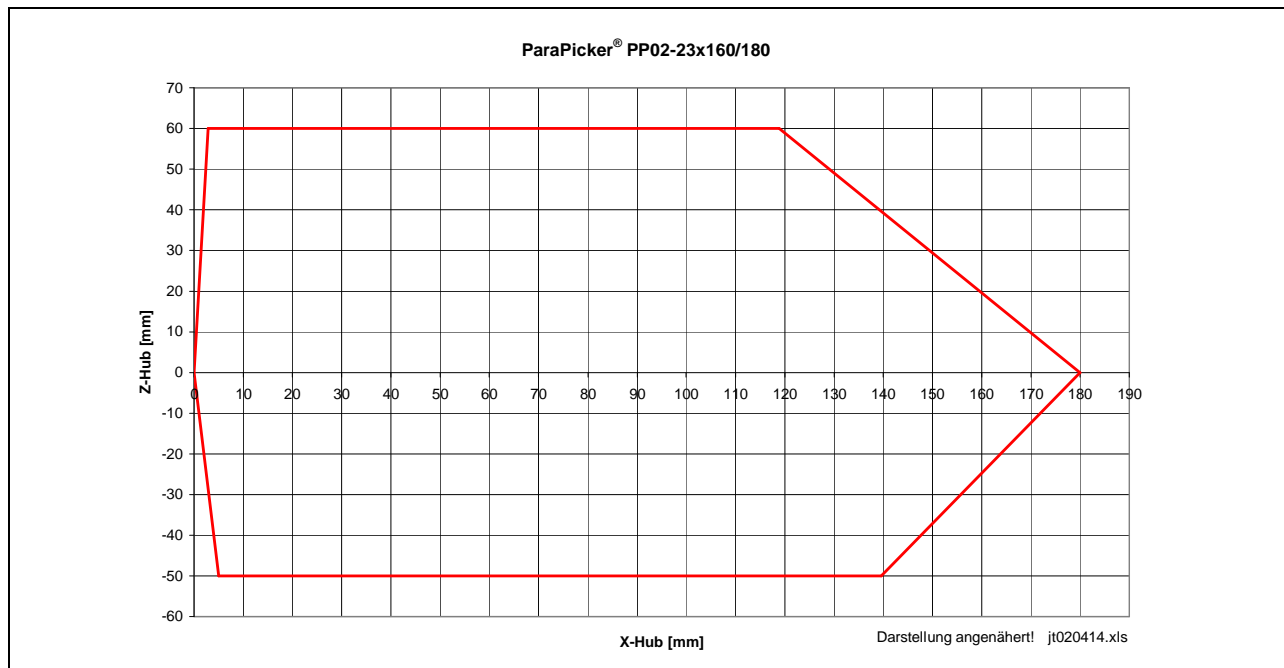
ParaPicker[®] PP02-23 Overview

- width only 44 mm
- no moving cables
- low moving masses, high bending & torsional stiffness
- very high cycles
- mechanical interface points compatible with the entire **HighDynamic[®]** series
- two linear motor actuators with tubular linear motors, precision linear guide with profile rail and two ball carriages each











Data **ParaPicker[®]** PP02-23x160

Type	PP02-23x160/180
Operating Data	
max. mechanical stroke X-axis	180 mm
max. mechanical stroke Z-axis	110 mm
typical work area in X/Z	145 mm / 80 mm
peak force per actuator in X-axis	137 N
average force per actuator in X-axis	28 N
max. load at TCP	1,0 kg
max. velocity at TCP	ca. 3 m/s
max. acceleration at TCP	ca. 100 m/s ²
max. cycle (without still-standing) for load 100 g	300 min ⁻¹ for example X/Z strokes 70 mm / 20 mm
repeating accuracy	ca. +/- 0,3 mm
length x width x height (without console)	500 x 44 x 123 mm
total weight (without console)	3.750 g
total moving mass in X-axis	ca. 1,5 kg

Work Area **ParaPicker®** PP02-23x160



Electrical Data **ParaPicker®** PP02x160

Type	PP02-23x160
Operating Data	
max. current per actuator [A]	11
max. constant current [A]	2,3
nom. DC bus voltage [VDC]	72
positioning sensors	hall sensors integrated
connectors	angle connector C-type
suitable positioning controllers	LinMot® controller
available fieldbus interfaces	         
positioning function 'Point to Point' without defined motion profile curves	taught target positions can be selected by PLC without NC function
positioning function 'NC' with defined motion profile curves	higher level control with NC functionability and fieldbus

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