



KOSY3 A1Portal / Gantry Type/15

- with stepping motor

Technical data

Mechanical system	
Construction	Gantry-principle - Workpiece is not moved, the base axes are in the gantry Alu-profiles bolted Base body and Y-table stiffened through mineral cast Surface and front machining possible
Linear system	Professional guide rails Ball screws, reverse play <0.01mm
Drive motors	Stepping motors, servo optional
Range of applications	Machining of NF-metal, wood, plastic material. Positioning, automation
Control unit	
Type	MAX MultiController control unit MCS
Number of axis controllers	X, Y, Z, and C, U, SPS controller optional
Equipment	Integrated into the back part of the basic body
Software	
<i>nccad9</i>	CAD/CAM/CNC software with 3D-functions
Licence	via code key, allows utilisation on any number of PCs Info in www.max-computer.de/Products/Software/nccad9
Machining data	
Clamping area, XxY	approx. (mm) 600x800
Travel XxY	approx. (mm) 620x880
Y-travel for face machining	approx. (mm) 80
Travel Z	approx. (mm) 100
Clearance height XxZ	approx. (mm) 630 x 100
Resolution all axes	0,00125 mm = 1,25 µm
Positioning accuracy	<0,05 mm
Repeat accuracy	<0,05 mm
Max. feed Attack/Fast mode	Without housing 33 mm/sec, With housing 40 / 100 mm/sec = 2,4 / 6 m/min
Dimensions	
External dimensions Width (X) Length (Y) Height (Z)	Approx. 800 x 1300 x 650mm
Weight	Approx. 200 kg
General data	
Noise level axis movement	<55dB (A) – with machining depending on machining unit
Surroundings	5-40°C, 35-60% rel.humidity (no condensation)
Guarantee	1000 hours acc. to operating hours counter (counts axes travel only).
Power supply	230V +- 5% / 50 Hz / approx. 1000W
Accessories	230V-Net cable, communication cable to PC
Equipment	

Machining units

Universal BAE10	230V/800W-milling motor with holder a. adapter for vacuum cleaner
HighPowerC-Axis BAE55	Programmable milling spindle with servo motor
HF-Spindel BAE2x	different types of HF-spindles With/without automatic toolchanging

Options

3D-Sensor system	Different versions with/without touching
4 th axis with axis controller	Turning unit
Vacuum systems	on demand
Handwheel box	Axis switching, Override

Variations

Machine dimensions

Dimension basic body and Y-table in mm	X = 900, X = 1200, Y = 1200 – relating larger travels
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Drive systems

Servomotor	Higher feed, step control
Linear transport	Ball bearing or toothbelt, also mixed

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Subject to modifications

Details concerning Control unit /Software on our Homepage:

www.max-computer.de