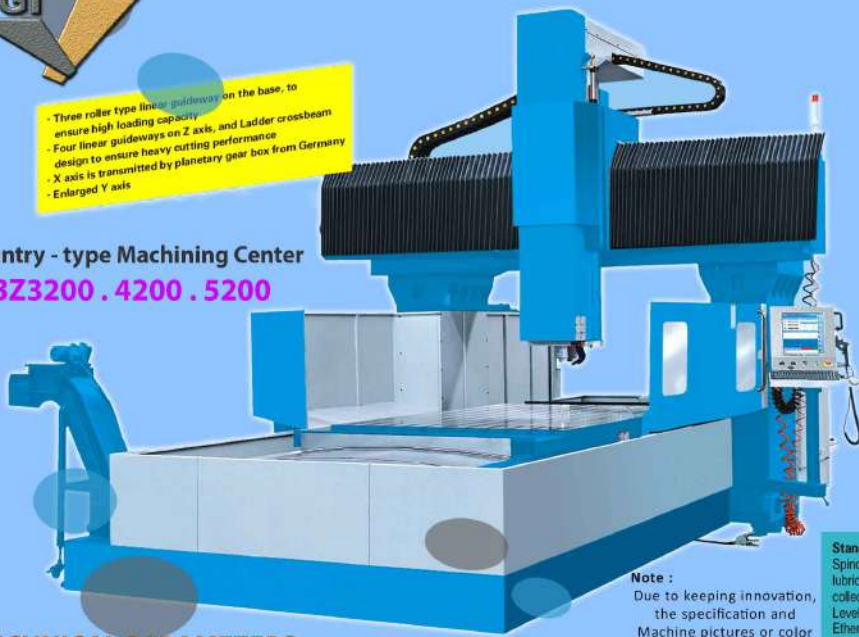




- Three roller type linear guideway on the base, to ensure high loading capacity
- Four linear guideways on Z axis, and Ladder crossbeam design to ensure heavy cutting performance
- X axis is transmitted by planetary gear box from Germany
- Enlarged Y axis

Gantry - type Machining Center PBZ3200 . 4200 . 5200



Note :
Due to keeping innovation,
the specification and
Machine pictures or color
are subject to alteration
without notice!

TECHNICAL PARAMETERS

Machine mode	PBZ3200	PBZ4200	PBZ5200
Travel			
Travel X/Y/Z	3200/2800/1000mm	4200/2800/1000mm	5200/2800/1000mm
Spindle nose to table	200-1200mm	320-1320mm	320-1320mm
Spindle to column	450mm	500mm	500mm
Distance between double column	2700mm	2700mm	2700mm
Worktable			
Table dimension	3200 x 210mm	4200 x 210mm	5200 x 210mm
T slot width/number/distance	28 x 9 x 220mm	28 x 9 x 220mm	28 x 9 x 220mm
Max Load	12000kg	14000kg	16000kg
Spindle			
Spindle taper	BT-50	BT-50	BT-50
Spindle speed	40-6000rpm	40-6000rpm	40-6000rpm
Spindle connection type	direct connection	direct connection	direct connection
Spindle motor	22KW	22KW	22KW
Spindle torque	140Nm	140Nm	140Nm

PT. Valtekindo Global Intertek



Machine features:

- The base is equipped with three linear guideways, and with a strong internal structure design, to ensure high loading capacity and positioning accuracy
- Oil and Coolant Separation System to avoid the cutting liquid get mixed with the lubricating oil
- Extra wide column to increase the connection surface with the crossbeam which can avoid vibration during cutting
- The Y axis is with ladder crossbeam design and adopt two linear guideways with five blocks. A upright guideway and a parallel guideway arrangement which has 25% more rigidity capacity than parallel arrangement
- Four linear guideways with ten blocks on the Z axis
- Worktable is fully supported by three 65mm wide linear guideways, which has roller blocks for every 500mm distance
- 2.7M wide door for easier workpiece loading, larger and wider column structure to ensure high rigidity
- X axis is transmitted by high quality precision planetary gear box to ensure good torque and rigidity during movement
- Roller type linear guideway, which offers super high rigidity and loading capacity
- Spindle with Gear box(Optional). Gear box with powerful spindle motor to ensure heavy cutting capacity
- C3 class ballscrew with 80mm diameter on X axis and 63mm diameter on Y and Z axis
- Extra support for the X axis ballscrew on PBZ4200 and PBZ5200
- Hydraulic balancing system on Z axis

Standard Equipment: Half-closed protection guard, G-plus 450 Control, Spindle oil cooler, Chain type chip conveyor, Coolant system, Automatic lubrication system, Air blast through spindle, Chip removal screws, Chip collector, Foot switch clamping and releasing, Electronic Hand wheel(MPG), Leveling bolts and blocks, End of program light, LED working lamp, Ethernet and USB interface, Tool box, Convection heat exchanger in control box, Hydraulic balancing system, Z axis nitrogen balancing system, Operation manuals

Optional Equipment: Chain type tool changer, BT50 40 stations, Gear type spindle BT50 6000rpm, Direct connection spindle BT50 8000rpm, Direct connection spindle BT50 10000rpm, Linear scale, Manual 90 angular cutter head, Steps for maintenance and operation, Universal milling head

Machine mode	PBZ3200	PBZ4200	PBZ5200
Connect mode			
X axis	Planetary gear (1:4)	Planetary gear (1:4)	Planetary gear (1:4)
Y axis	Direct transmission	Direct transmission	Direct transmission
Z axis	Direct transmission	Direct transmission	Direct transmission
Feedrate			
Cutting speed	1-8000mm/min	1-8000mm/min	1-8000mm/min
Rapid feed	12000mm/min	12000mm/min	12000mm/min
Positioning accuracy	± 0.005/300mm	± 0.005/300mm	± 0.005/300mm
Repeatability accuracy	± 0.003mm	± 0.003mm	± 0.003mm
Linear guideway with Guideway number/Block number	X:65mm/3/6 Y:65mm/2/5 Z:45mm/4/10	X:65mm/3/6 Y:65mm/2/5 Z:45mm/4/10	X:65mm/3/6 Y:65mm/2/5 Z:45mm/4/10
Other specification			
CNC Controller(standard)	KNUTH GPlus 450	KNUTH GPlus 450	KNUTH GPlus 450
Air pressure	0.6MPa	0.6MPa	0.6MPa
Machine weight	42000kg	47000kg	55000kg
Machine size	9305 x 2592 x 5645mm	11505 x 2592 x 5645mm	13605 x 2592 x 5645mm
Power supply and total power	AC380V/3PH/50Hz 50KW	AC380V/3PH/50Hz 50KW	AC380V/3PH/50Hz 50KW

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