

CITIZEN

Miyano

GN3200

High Precision CNC Lathe



# Machine specifications

Items	GN3200			
	GN-3200-2F1	GN-3200-2F2	GN-3200W-2F2	GN-3200W-2F3
<b>Machining capacity</b>				
Max. Diameter of chuck	Pull type collet chuck	40 mm Dia.		
	fixed type collet chuck	35 mm Dia.		
	Fine precision air chuck	45 mm Dia.		
	Power chuck	45 mm Dia.		
	Diaphragm chuck	45 mm Dia.		
Max. Machining length	50 mm Dia.			
Max. work length with loader	40 mm Dia.			
<b>Spindle</b>				
Number of spindles	1		2	
Spindle nose	Special flat			
Through hole diameter	17 mm Dia.			
Inner diameter of draw tube	11 mm Dia.			
Spindle speed range	8,000 min <sup>-1</sup>			
<b>Slide</b>				
Number of Tool Platens	1		2	
Type	Horizontal linear tool platen			
Type of slide	X-axis	Dovetail		
	Z-axis	Dovetail		
Control axis	2-Axis (Simultaneously X, Z)		2x2-Axis (Simultaneously X, Z)	
Slide travel	X-axis	180mm		
	Z-axis	200mm		
Rapid feed rate	X-axis	15m/min		
	Z-axis	15m/min		
<b>Tools</b>				
Shank size of square turning tool	10, 12, (16) mm Sq.			
Number of tools	Standard	5		5x2
Diameter of drill shank	20 mm Dia.			
<b>Motor</b>				
Spindle drive	15Min./ Cont.	2.2/1.5kw		
<b>Coolant</b>				
Tank type	Separate type			
Tank capacity	90 L		200 L	
<b>Spindle Cooling device</b>				
Tank capacity	Oil Viscosity VG10	7 L		9 L
<b>Air supply</b>				
Air pressure supply	0.4 Mpa (4kgf/cm <sup>2</sup> )			
<b>Lubricating system</b>				
Tank capacity	Oil Viscosity VG32	1.5 L		1.5 Lx2
<b>Equipment power supply</b>				
Capacity	7.2 KVA		14 KVA	
<b>Machine dimensions</b>				
Spindle center height	875 mm			
Machine height	1,600 mm			
Floor space	Width	700 mm		1,400 mm
	Depth	1,460 mm		
Machine weight	1,250 kg		1,500 kg	2,700 kg
<b>Others</b>				
Spalsh guard interlock.				
<b>Optional accessories</b>				
Gantry loader, Chuck Systems, Air Blow, High pressure & inner coolant, Spindle inner coolant, Automatic fire-extinguisher, Automatic power off, Chip conveyor, Chip box, Total and Preset Counter, Total and multi counter, Coolant mist collector duct, Damper & duct, warning light, Specification color, etc.				

Loader specifications (Optional)	2-Axes NC			
	--	1 saddle 2 hands	1 saddle 2 hands	2 saddles 4 hands
<b>Conveyance capability</b>				
Max. work piece size	40x 40 mm Dia.			
Max. weight capacity	250g			
Feed rate	Right and left operation	130 m/ min		
	Upper and lower sides	154 m/ min		
<b>Control</b>				
Control system	PMC axis control			
Control soft	Flexible loader control			
Drive system	Right and left operation	Rack & pinion		
	Upper and lower sides	Rack & pinion		

## CITIZEN MACHINERY CO., LTD.

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