

# Fully Automatic Gang Type

## CNC Lathe

**PG-42**  
**PG-60**

*Boosting efficiency in precision parts turning!*



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# Fully Automatic Gang Type CNC Lathe



## Outstanding Features

- > Box ways on X, Z-axis.
- > The spindle runs in "NN" roller bearings, featuring excellent heavy cutting resistance.
- > Belt-transmitted 4500 rpm high precision spindle is driven by an inverter controlled motor.
- > 6 or 8 - position hydraulic turret
- > Foot switch controls collect chuck.
- > MPG handwheel for added convenience in setup.
- > Hydraulic chuck is available(optional).
- > Bar feeder is optional.

### PG-42

- $\varnothing 32$  mm hole through spindle
- X-axis travel 200 mm
- Z-axis travel 200 mm
- 5HP spindle motor
- 4200 rpm spindle speed



### PG-60

- $\varnothing 42$  mm hole through spindle
- X-axis travel 250 mm
- Z-axis travel 250 mm
- 7.5HP spindle motor
- 3000 rpm spindle speed



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### AUTOMATIC PARTS FEEDER

- The parts to be machined automatically infed to the collect chuck through a feed channel.

### PARTS PICKER

- Once part machining is finished, the parts picker will automatically take out the finished product, then placing it on a product conveyor.



### VARIOUS CNC CONTROLS TO CHOOSE FROM

- Syntec 10A CNC control is standard.
- Fanuc and Mitsubishi CNC controls are optional



### Application :

This CNC lathe is designed for precision machining for small parts, such as:

- > Automatic parts
- > Motorcycle parts
- > Bicycle parts
- > Bearings
- > Hand tools



### ON-LINE WORKPIECE MEASURING DEVICE(OPTIONAL)

- The measuring device is used for measuring workpiece sizes directly on the machine during machining, that saves time and ensure workpiece accuracy.
- Upon customer's requirement, the measuring device is applicable for measuring inside diameter or outside diameter of workpiece.
- Minimum display is 0.2  $\mu\text{m}$ .
- Measuring frequency can be set as desired.

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## COLLET CHUCK

- The spindle is mounted with a collet chuck, providing fast chucking of parts.
- The collet chuck is operated by a foot switch for added convenience.
- Applicable collet is type 44.

## HYDRAULIC TURRET

- 6-position turret (PG-42)  
8-position turret (PG-60)
- The turret tightening / loosening is actuated by hydraulic power, featuring smooth motion and heavy cutting resistance.
- Tool change time is 0.41 seconds (adjacent tool).

## AUTOMATIC LUBRICATOR

- The automatic lubricator delivers lubrication oil to X,Z-axis slideways, that ensure smooth movement at all times.
- In case of lack of oil, an alarm occurs and the machine stops automatically.



	PG-42	PG-60
Spindle	60# (NN)	80# (Powerful)
Hole through spindle	Ø32 mm	Ø42 mm
Hydraulic chuck	44# collet chuck 5" hyd. chuck	M55 special chuck 6" hyd. chuck
Slide travel	X-axis: 200 mm Z-axis: 200 mm	X-axis: 250 mm Z-axis: 250 mm
Slide moving speed	X-axis: 15 m/min Z-axis: 20 m/min	X-axis: 12 m/min Z-axis: 20 m/min
Spindle motor	5 HP	7.5 HP
Inverter	7.5 HP	10 HP
Spindle speed	4200 rpm	3000 rpm
Turret	6-position (□20)	8-position (□20)
Coolant pump	2 kg (high pressure)	2 kg (high pressure)
Hyd. motor / pump	2 HP / 20 L	2 HP / 30 L
Auto parts infeed	Equipped (Hydraulic arm infeed)(Not include feeder and vibrating tank)	
Auto parts take-out	Equipped (Swing arm type picker)	Equipped (Swing arm type picker)
CNC control	Syntec brand	Syntec brand
Packing measurement	2200 x 1400 x 2200 mm	2450 x 2700 x 2450 mm
Machine weight	1170 kg	1600 kg

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms....etc. to improve the performance of the machine without notice, all the specifications shown above are just for reference.

## OPTIONAL EQUIPMENT:

- Finished product conveyor.
- On-line workpiece measuring device
- Chip conveyor
- Hydraulic chuck
- Various CNC controls