



**ECONOMICAL**

**CNC LATHE**

**Agent**

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# ECONOMICAL CNC LATHE

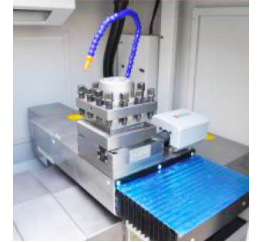
(LINEAR GUIDE WAYS)



**CK6130L**

**CK6140L**

**CK6150L**



## PRODUCT FEATURES

**High precision** bearings are adopted for the spindle system to realize high accuracy and capacity. The machine main drive adopts imported inverter variable speed motor to realize infinitely variable speed. The machine stand adopts integrated casting with machine bed designed for high rigidity and less deformation and vibration. Both X and Z axis rails are imported linear ball guide rails to reduce abrasion. They are pre-loaded to reduce rail clearance to improve machining accuracy. Both X and Z axes adopt servo motors. Rapid feed is realized through a big pitch ball screw. This machine has big main motor power, good rigidity, sufficient accurate storage and long service life. This is an ideal machine for complicated parts machining of various materials, especially of non-ferrous metals, in mass automatic production.

## TECHNICAL SPECIFICATIONS

ITEMS		CK6130L	CK6140L	CK6150L
MACHINING	Max. cutting dia. for disc parts	Φ300mm	Φ400mm	Φ500mm
	Max. cutting dia. for axis parts	Φ100mm(Gang tools)	Φ230mm(Gang tools)	Φ200mm
	Max. length of turning	300mm	300mm	750mm
	6-way turret Max. turning length	-	230mm	650mm
	6-way turret Max. turning diameter	-	Φ250mm	Φ340mm
PRINCIPAL AXIS	Spindle nose	A — 4	A — 5	A — 8
	Spindle bore	Φ38mm	Φ52mm	Φ80mm
	Taper of spindle hole	MT NO.5	MT NO.6	MT NO.7
	Steps of spindle speed	Stepless	Stepless	Stepless
	Spindle speed	3500rpm	3000rpm	3000rpm
FEED	Rapid feed for Axis X	16m/min	16m/min	16m/min
	Rapid feed for Axis Z	20m/min	20m/min	20m/min
TRAVEL	Max. travel of Axis X	270mm	215mm(Gang tools)	320mm
	Max. travel of Axis Z	300mm	300mm	750mm
TOOL POST	Tool post stations	Gang tools	4-Station(Gang tools)	4-Station
	Size of tool shank	16x16mm	20x20mm	25x25mm
	Round hole cutter holder size	Φ20mm	Φ25mm	Φ32mm
OTHER	Min. input	0.001mm	0.001mm	0.001mm
	Power of main motor	3.7KW	3.7KW(Optional 5.5)	7.5KW(Optional 11)
	Coolant pump power	75W	75W	75W
	Overall dimensions (LxWxH)	1700x1200x1450mm	1700x1620x1600mm	2250x1400x1570mm
	Netweight	1500kg	1700kg	2700kg
OPTIONAL	CNC system	●	●	●
	Tool post	○	●	●
	Chuck	●	●	●
	Spindle	●	●	●
	Tailstock	○	○	●
	Steady rest	○	○	○

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK6136E**

**CK6140E**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors.
- Either vertical or horizontal 4-station tool post or gang tools can be selected. The post is located on precision contrue gears with a high repeated positioning accuracy.
- The spindle system is high in rigidity and accuracy.
- The surface of the bedways is supersonic frequency hardened and precision ground with a long service life.

## TECHNICAL SPECIFICATIONS

ITEMS		CK6136E	CK6140E
MACHINING	Max. cutting dia. for disc parts	Φ360mm(14")	Φ400mm(15.7")
	Max. cutting dia. for axis parts	Φ180/Φ135mm(Gang tools)	Φ225/Φ195mm(Gang tools)
	Max. workpiece length	500/750/1000mm	500/750/1000mm
	Max. turning length	450/700/950mm	450/700/950mm
	6-way turret Max. turning length	340/590/840mm	
	6-way turret Max. turning diameter	Φ255mm	Φ300mm
PRINCIPAL AXIS	Spindle nose	C5	C6
	Spindle bore	Φ40mm	Φ52mm
	Taper of spindle hole	MT No.5	MT No.7
	Steps of spindle speed	5 ranges (stepless in each)	
FEED	Range of spindle speed	20 ~250rpm 2000 ~160rpm	
	Rapid feed for Axis X	10m/min	
TRAVEL	Rapid feed for Axis Z	8m/min	
	Max. travel of Axis X	740mm	990mm
TOOL POST	Max. travel of Axis Z	215/295mm(Gang tools)	235/295mm(Gang tools)
	Tool post stations	4-Station or 6-Station or Gang tools	
TAILSTOCK	Tool cross section	20x20mm	
	External diameter	Φ60mm	
	Taper of tailstock sleeve	VIT No.4	
	Max. travel of tailstock sleeve	120mm	
OTHER	Min. input	0.001mm	
	Power of main motor	3.7KW(Optional 5.5kw)	
	Power of cooling pump	75W	
	Overall dimensions (LxWxH)	2100x1150x1450mm	2350x1150x1450mm
OPTIONAL	Netweight	1800kg	2100kg
	CNC system	●	●
	Tool post	●	●
	Chuck	●	●
	Spindle	○	○
	Tailstock	●	●
Steady rest	●	●	

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CJK6136S** | **CJK6140S**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors.
- Either vertical or horizontal 4-station or 6-station tool post as well as gang tools can be selected. The post is located on precision conitrite gears with a high repeated positioning accuracy.
- Both chuck and tailstock are available with hydraulic or manual or manual or pneumatic type.

## TECHNICAL SPECIFICATIONS

ITEMS		CJK6136S	CJK6140S
MACHINING	Max. cutting dia. for disc parts	Φ360mm	Φ400mm
	Max. cutting dia. for axis parts	Φ180mm	Φ225mm
	Max. workpiece length	500/750/1000mm	
	Max. turning length	450/700/950mm	
	6-way turret Max. turning length	340/590/840mm	
	6-way turret Max. turning diameter	Φ255mm	Φ300mm
PRINCIPAL AXIS	Spindle nose	C5	C6
	Spindle bore	Φ40mm	Φ52mm
	Taper of spindle hole	MT No.5	MT No.6
	Steps of spindle speed	12 ranges	
FEED	Range of spindle speed	40 ~1800rpm	
	Rapid feed for Axis Z	10m/min	
	Rapid feed for Axis X	8m/min	
TRAVEL	Max. travel of Axis Z	740mm	740mm
	Max. travel of Axis X	215mm	235mm
TOOL POST	Tool post stations	4-Station	
	Tool cross section	20x20mm	
TAILSTOCK	External diameter	Φ60mm	
	Taper of tailstock sleeve	VIT No.4	
	Max. travel of tailstock sleeve	120mm	
OTHER	Min. input	0.001mm	
	Power of main motor	3KW(Optional 3.7kw)	3.7KW(Optional 5.5kw)
	Power of cooling pump	75W	
	Overall dimensions (LxWxH)	2100x1150x1450mm	2350x1150x1450mm
	Netweight	1800kg	2100kg
OPTIONAL	CNC system	●	●
	Tool post	●	●
	Chuck	●	●
	Spindle	○	○
	Tailstock	●	●
	Steady rest	●	●

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK6140ZXE**

**CK6146ZXE**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors.
- Either vertical or horizontal 4-station tool post or gang tools can be selected. The post is located on precision contridge gears with a high repeated positioning accuracy.
- The spindle system is high in rigidity and accuracy.
- The surface of the bedways is supersonic frequency hardened and precision ground with a long service life.

## TECHNICAL SPECIFICATIONS

ITEMS		CK6140ZXE	CK6146ZXE
MACHINING	Max. cutting dia. for disc parts	Φ400mm	Φ460mm
	Max. cutting dia. for axis parts	Φ210/Φ165mm(Gang tools)	Φ240/Φ205mm(Gang tools)
	Max. workpiece length	750/1000/1500mm	
	Max. turning length	620/870/1370mm	
	6-way turret Max. turning length	430/680/1180mm	
	6-way turret Max. turning diameter	Φ280mm	Φ340mm
PRINCIPAL AXIS	Spindle nose	D8	
	Spindle bore	Φ80mm	
	Taper of spindle hole	MT No.7	
	Steps of spindle speed	2 ranges (stepies in each)	
	Range of spindle speed	20 ~ 250rpm 200 ~ 1600mm	
FEED	Rapid feed for Axis Z	10m/min	
	Rapid feed for Axis X	8m/min	
TRAVEL	Max. travel of Axis Z	710/960/1460mm	
	Max. travel of Axis X	250/330mm(Gang tools)	
TOOL POST	Tool post stations	4-Station or 6-Station or Gang tools	
	Tool cross section	25x25mm	
	External diameter	Φ75mm	
	Taper of tailstock sleeve	MT No.4	
TAILSTOCK	Max. travel of tailstock sleeve	130mm	
	Min. input	0.001mm	
OTHER	Power of main motor	5.5KW(Optional 7.5kw)	
	Power of cooling pump	75W	
	Overall dimensions (LxWxH)	2600x1150x1450mm	2310x1150x1450mm
	Netweight	2100/2250/2800kg	2200/2350/2900kg
OPTIONAL	CNC system	●	●
	Tool post	●	●
	Chuck	●	●
	Spindle	○	○
	Tailstock	●	●
	Steady rest	●	●

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CJK6140ZX**

**CJK6146ZX**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors.
- Either vertical or horizontal 4-station or 6-station tool post or gang tools can be selected. The post is located on precision conitrite gears with a high repeated positioning accuracy.
- Both chuck and tailstock are available with hydraulic or manual type.
- The surface of the bedways is supersonic frequency hardened and precision ground with a long service life.
- The spindle bore size is 80mm. The spindle system is high in the rigidity and accuracy.

## TECHNICAL SPECIFICATIONS

ITEMS		CJK6140ZX	CJK6146Z
MACHINING	Max. cutting dia. for disc parts	Φ400mm	Φ460mm
	Max. cutting dia. for axis parts	Φ200/Φ165mm(Gang tools)	Φ240/Φ205mm(Gang tools)
	Max. workpiece length	750/1000/1500mm	
	Max. turning length	600/850/1350mm	
	6-way turret Max. turning length	430/680/1180mm	
	6-way turret Max. turning diameter	Φ280mm	Φ340mm
PRINCIPAL AXIS	Spindle nose	D8	
	Spindle bore	Φ80mm	
	Taper of spindle hole	MT No.7	
	Steps of spindle speed	12 ranges	
	Range of spindle speed	38 ~ 1600rpm	
FEED	Rapid feed for Axis Z	10m/min	
	Rapid feed for Axis X	8m/min	
TRAVEL	Max. travel of Axis Z	710/960/1460mm	
	Max. travel of Axis X	250/320mm(Gang tools)	280/320mm(Gang tools)
TOOL POST	Tool post stations	4-Station or 6-Station or Gang tools	
	Tool cross section	25x25mm	
TAILSTOCK	External diameter	Φ75mm	
	Taper of tailstock sleeve	MT No.4	MT No.5
	Max. travel of tailstock sleeve	130mm	
OTHER	Min. input	0.001mm	
	Power of main motor	5.5KW(Optional 7.5kw)	
	Power of cooling pump	75W	
	Overall dimensions (LxWxH)	2060/2310/2790x1150x1450mm	
	Netweight	2060/2450/2950kg	
OPTIONAL	CNC system	●	●
	Tool post	●	●
	Chuck	●	●
	Spindle	○	○
	Tailstock	●	●
	Steady rest	●	●

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



## CK6156B



### PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors.
- Either vertical or horizontal 4-station tool post or gang tools can be selected. The post is located on precision contridge gears with a high repeated positioning accuracy.
- Both chuck and tailstock are available with hydraulic or manual type.
- The surface of the bedways is supersonic frequency hardened and precision ground with a long service life.
- The spindle bore size is 80mm. The spindle system is high in the rigidity and accuracy.
- Variable spindle speed can be programmed as two ranges, that is high one and low one.

### TECHNICAL SPECIFICATIONS

ITEMS		CK6156B
MACHINING	Max. cutting dia. for disc parts	Φ560mm
	Max. cutting dia. for axis parts	Φ330mm
	Width of bed	405mm
	Max. workpiece length	750/1000/1500/2000/3000mm
	Max. turning length	650/990/1400/1900/2900mm
	6-way turret Max. turning length	490/740/1240/1740/2740mm
PRINCIPAL AXIS	6-way turret Max. turning diameter	Φ390mm
	Spindle nose	A — 8
	Spindle bore	Φ80mm
	Taper of spindle hole	MT No.7
	Steps of spindle speed	2 ranges (stepless in each)
FEED	Range of spindle speed	50 ~ 400rpm 400 ~ 1600rpm
	Rapid feed for Axis Z	10m/min
TRAVEL	Rapid feed for Axis X	8m/min
	Max. travel of Axis Z	650/900/1400/1900/2900mm
TOOL POST	Max. travel of Axis X	320mm
	Tool post stations	4-Station or 6-Station
	Tool cross section	32x32mm
	External diameter	Φ75mm
TAILSTOCK	Taper of tailstock sleeve	MT No.5
	Max. travel of tailstock sleeve	150mm
OTHER	Min. input	0.001mm
	Power of main motor	7.5KW
	Power of cooling pump	90W
	Overall dimensions (LxWxH)	2250/2500/3000/3500/4500x1200x1550mm
	Netweight	2800/3100/3600/4100/4700kg
OPTIONAL	CNC system	●
	Tool post	●
	Chuck	●
	Spindle	○
	Tailstock	●
	Steady rest	●



# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK6150I**



## PRODUCT FEATURES

- Automatic gear change can be realized by CNC controlled Electro-magnetic clutch of the machine. This mechanism is simple in construction, easy for operation with good flexibility.
- The spindle system is high in rigidity and accuracy.
- Longitudinal and cross feeds are effected by ball leadscrews.

## TECHNICAL SPECIFICATIONS

ITEMS		CK6150I
MACHINING	Max. cutting dia. for disc parts	Φ500mm
	Max. cutting dia. for axis parts	Φ300mm
	Width of bed	405mm
	Max. workpiece length	750/1000/1500/2000/3000mm
	Max. turning length	550/800/1300/1800/2800mm
	6-way turret Max. turning length	490/740/1240/1740/2740mm
PRINCIPAL AXIS	6-way turret Max. turning diameter	Φ350mm
	Spindle nose	A — 8
	Spindle bore	Φ80mm
	Taper of spindle hole	MT No.7
	Steps of spindle speed	3 ranges (stepless in each)
FEED	Range of spindle speed	24 ~ 240 700 ~ 710 220 ~ 2200rpm
	Rapid feed for Axis Z	10m/min
TRAVEL	Rapid feed for Axis X	12m/min
	Max. travel of Axis Z	650/900/1400/1900/2900mm
TOOL POST	Max. travel of Axis X	320mm
	Tool post stations	4-Station
	Tool cross section	32x32mm
	External diameter	Φ75mm
TAILSTOCK	Taper of tailstock sleeve	MT No.5
	Max. travel of tailstock sleeve	150mm
	Min. input	0.001mm
OTHER	Power of main motor	7.5KW
	Power of cooling pump	125W
	Overall dimensions (LxWxH)	2250/2500/3000/3500x1500x1600mm
	Netweight	2700/3000/3500/4000/4600kg
OPTIONAL	CNC system	●
	Tool post	●
	Chuck	●
	Spindle	○
	Tailstock	●
	Steady rest	●

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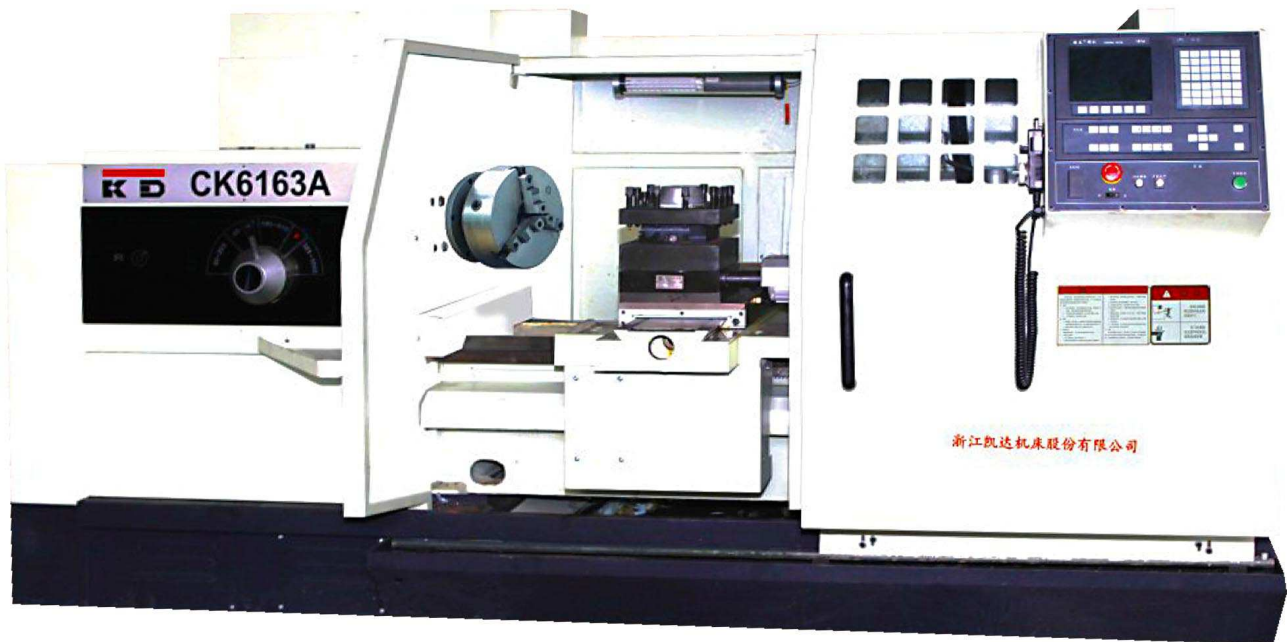
# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK6163A**

**CK6180A**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors.
- The surface of the bedways is supersonic frequency hardened and precision ground with a long service life.
- The spindle system is high in the rigidity and accuracy.

## TECHNICAL SPECIFICATIONS

ITEMS		CK6163A	CK6180A
MACHINING	Max. cutting dia. for disc parts	Φ630mm	Φ800mm
	Max. cutting dia. for axis parts	Φ360mm	Φ500mm
	Width of bed	560mm	
	Max. workpiece length	1000/1500/2000/3000/4000mm	
	Max. turning length	900/1400/1850/2850/3850mm	
	6-way turret Max. turning length	490/740/1240/1740/2740mm	
PRINCIPAL AXIS	6-way turret Max. turning diameter	D11	
	Spindle nose	Φ104mm	
	Spindle bore	Φ80mm	
	Taper of spindle hole	Metric 1:20	
	Steps of spindle speed	4 ranges (stepless in each)	
FEED	Range of spindle speed	40 ~ 105	80 ~ 205 195 ~ 500 385 ~ 1000rpm
	Rapid feed for Axis Z	10m/min	
TRAVEL	Rapid feed for Axis X	8m/min	
	Max. travel of Axis Z	1000/1500/2000/3000/4000mm	
TOOL POST	Max. travel of Axis X	440mm	500mm
	Tool post stations	4-Station	
	Tool cross section	40x40mm	
	External diameter	Φ100mm	
TAILSTOCK	Taper of tailstock sleeve	MT No.6	
	Max. travel of tailstock sleeve	150mm	
OTHER	Min. input	0.001mm	
	Power of main motor	11KW	
	Power of cooling pump	37W	
	Overall dimensions (LxWxH)	3200/3700/4200/5200x1660x1820mm	
	Netweight	3480/3780/4280/4780kg	
OPTIONAL	CNC system	●	●
	Tool post	●	●
	Chuck	●	●
	Spindle	○	○
	Tailstock	●	●
	Steady rest	●	●

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK6191B CK61100B CK61110B**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors.
- The surface of the bedways is supersonic frequency hardened and precision ground with a long service life.
- The spindle bore size is 104mm. The spindle system is high in the rigidity and accuracy.

## TECHNICAL SPECIFICATIONS

ITEMS		CK6191B	CK61100B	CK61110B
MACHINING	Max. cutting dia. for disc parts	Φ910mm	Φ1000mm	Φ1100mm
	Max. cutting dia. for axis parts	Φ530mm	Φ600mm	Φ720mm
	Width of bed	600mm		
	Max. workpiece length	1500/2000/3000/4000mm		
	Max. turning length	1350/1850/2850/3850mm		
	Max. weight between centers	2000kg		
	Max. swing dia, over gap	Φ1100mm	Φ1200mm	Φ1300mm
PRINCIPAL AXIS	Spindle nose	D11		
	Spindle bore	Φ104mm		
	Taper of spindle hole	Metric Φ120 1:20		
	Steps of spindle speed	4 ranges (stepless in each)		
	Range of spindle speed	10 ~ 90	20 ~ 180	40 ~ 320
FEED	Rapid feed for Axis Z	10m/min		
	Rapid feed for Axis X	8m/min		
TRAVEL	Max. travel of Axis Z	1500/2000/3000/4000mm		
	Max. travel of Axis X	520mm		
TOOL POST	Tool post stations	4-Station		
	Tool cross section	40x40mm		
TAILSTOCK	External diameter	Φ100mm		
	Taper of tailstock sleeve	MT No.5		
	Max. travel of tailstock sleeve	250mm		
OTHER	Min. input	0.001mm		
	Power of main motor	15KW		
	Power of cooling pump	370W		
	Overall dimensions (LxWxH)	4200x2000x1930mm	4200x2000x1980mm	4200x2000x2030mm
OPTIONAL	Netweight	6600kg	6770kg	6940kg
	CNC system	●	●	●
	Tool post	●	●	●
	Chuck	●	●	●
	Spindle	○	○	○
	Tailstock	●	●	●
	Steady rest	●	●	●

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK61100C CK61125C CK61140C**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors driven by ball screws.
- $\Phi 130\text{mm}$ . spindle bore, short taper positioning spindle nose for high precision and rigidity.
- Centralized lubrication system in headstock for less heating and heat distortion.
- Supersonic frequency hardened guide ways ensure high precision and long service life.

## TECHNICAL SPECIFICATIONS

ITEMS		CK61100C	CK61125C	CK61140C
MACHINING	Max. cutting dia. for disc parts	$\Phi 1000\text{mm}$	$\Phi 1250\text{mm}$	$\Phi 1400\text{mm}$
	Max. cutting dia. for axis parts	$\Phi 620\text{mm}$	$\Phi 815\text{mm}$	$\Phi 990\text{mm}$
	Width of bed	755mm		
	Max. workpiece length	1.5/2/3/4/5/6/8/10m		
	Max. turning length	1.3/1.8/2.8/3.8/4.8/5.8/7.8/9.8mm		
	Max. weight between centers	5000kg		
PRINCIPAL AXIS	Spindle nose	A—15		
	Spindle bore	$\Phi 130\text{mm}$		
	Taper of spindle hole	Metric $\Phi 140$ 1:20		
	Steps of spindle speed	24steps		
	Range of spindle speed	2.5 ~ 250rpm		
FEED	Rapid feed for Axis Z	8m/min		
	Rapid feed for Axis X	5m/min		
TRAVEL	Max. travel of Axis Z	1.55/2.05/3.05/4.05/5.05/6.05/8.05/10.05m		
	Max. travel of Axis X	580mm	685mm	820mm
TOOL POST	Tool post stations	4-ways		
	Tool cross section	40x40mm		
TAILSTOCK	External diameter	$\Phi 160\text{mm}$		
	Taper of tailstock sleeve	Metric $\Phi 80$		
	Max. travel of tailstock sleeve	300mm		
OTHER	Min. input	0.001mm		
	Power of main motor	22KW		
	Power of cooling pump	370W		
	Overall dimensions (LxWxH)	6100x2370x2230mm	6100x2370x2300mm	6100x2370x2300mm
OPTIONAL	Netweight	11500kg	12300kg	12700kg
	CNC system	●	●	●
	Tool post	●	●	●
	Chuck	○	○	○
	Spindle	○	○	○
	Tailstock	●	●	●
	Steady rest	●	●	●

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK61100CE CK61125CE CK61140CE**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors driven by ball screws.
- $\Phi 130\text{mm}$ . spindle bore, short taper positioning spindle nose for high precision and rigidity.
- Centralized lubrication system in headstock for less heating and heat distortion.
- Supersonic frequency hardened guide ways ensure high precision and long service life.

## TECHNICAL SPECIFICATIONS

ITEMS		CK61100CE	CK61125CE	CK61140CE
MACHINING	Max. cutting dia. for disc parts	$\Phi 1000\text{mm}$	$\Phi 1250\text{mm}$	$\Phi 1400\text{mm}$
	Max. cutting dia. for axis parts	$\Phi 620\text{mm}$	$\Phi 815\text{mm}$	$\Phi 990\text{mm}$
	Width of bed	755mm		
	Max. workpiece length	1.5/2/3/4/5/6/8/10m		
	Max. turning length	1.3/1.8/2.8/3.8/4.8/5.8/7.8/9.8mm		
	Max. weight between centers	5000kg		
PRINCIPAL AXIS	Spindle nose	A—15		
	Spindle bore	$\Phi 130\text{mm}$		
	Taper of spindle hole	Metric $\Phi 140$ 1:20		
	Steps of spindle speed	2 steps (stepless in each)		
	Range of spindle speed	2.5 ~ 34 20 ~ 270rpm		
FEED	Rapid feed for Axis Z	8m/min		
	Rapid feed for Axis X	5m/min		
TRAVEL	Max. travel of Axis Z	1.55/2.05/3.05/4.05/5.05/6.05/8.05/10.05m		
	Max. travel of Axis X	580mm	685mm	820mm
TOOL POST	Tool post stations	4-ways		
	Tool cross section	40x40mm		50x50mm
TAILSTOCK	External diameter	$\Phi 160\text{mm}$		
	Taper of tailstock sleeve	Metric $\Phi 80$		
	Max. travel of tailstock sleeve	300mm		
OTHER	Min. input	0.001mm		
	Power of main motor	22KW (Optional 26KW)		
	Power of cooling pump	370W		
	Chuck dia	$\Phi 1000\text{mm}$		$\Phi 1250\text{mm}$
	Overall dimensions (LxWxH)	6100x2370x2230mm	6100x2370x2300mm	6200x2280x2130mm
	Netweight	11500kg	12300kg	12700kg
OPTIONAL	CNC system	●	●	●
	Tool post	●	●	●
	Chuck	○	○	○
	Spindle	○	○	○
	Tailstock	●	●	●
	Steady rest	●	●	●

Agent

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK61140**

**CK61160**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors driven by ball screws.
- $\Phi 130\text{mm}$ . spindle bore, short taper positioning spindle nose for high precision and rigidity.
- Centralized lubrication system in headstock for less heating and heat distortion.
- Supersonic frequency hardened guide ways ensure high precision and long service life.

## TECHNICAL SPECIFICATIONS

ITEMS		CK61140	CK61160
MACHINING	Max. cutting dia. for disc parts	$\Phi 1400\text{mm}$	$\Phi 1600\text{mm}$
	Max. cutting dia. for axis parts	$\Phi 900\text{mm}$	$\Phi 110\text{mm}$
	Width of bed	970mm	
	Max. workpiece length	1.5/2/3/4/5/6/8/10m	
	Max. turning length	1.3/1.8/2.8/3.8/4.8/5.8/7.8/9.8mm	
PRINCIPAL AXIS	Max. weight between centers	6000kg	
	Spindle nose	A—15	
	Spindle bore	$\Phi 130\text{mm}$	
	Taper of spindle hole	Metric $\Phi 140$ 1:20	
	Steps of spindle speed	24steps	
FEED	Range of spindle speed	2.5 ~ 250rpm	
	Rapid feed for Axis Z	8m/min	
TRAVEL	Rapid feed for Axis X	5m/min	
	Max. travel of Axis Z	1.5/2/3/4/5/6/8/10m	
TOOL POST TAILSTOCK	Max. travel of Axis X	820mm	900mm
	Tool post stations	4-ways	
	Tool cross section	50x50mm	
	External diameter	$\Phi 160\text{mm}$	
	Taper of tailstock sleeve	Metric $\Phi 80$	
OTHER	Max. travel of tailstock sleeve	300mm	
	Min. input	0.001mm	
	Power of main motor	22KW	
	Power of cooling pump	370W	
OPTIONAL	Overall dimensions (LxWxH)	6200x2280x2130mm	6200x2280x2300mm
	Netweight	12700kg	13500kg
	CNC system	●	●
	Tool post	●	●
	Chuck	○	○
	Spindle	○	○
Tailstock	●	●	
Steady rest	●	●	

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK61140E**

**CK61160E**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors driven by ball screws.
- $\Phi 130\text{mm}$ . spindle bore, short taper positioning spindle nose for high precision and rigidity.
- Centralized lubrication system in headstock for less heating and heat distortion.
- Supersonic frequency hardened guide ways ensure high precision and long service life.

## TECHNICAL SPECIFICATIONS

ITEMS		CK61140E	CK61160E
MACHINING	Max. cutting dia. for disc parts	$\Phi 1400\text{mm}$	$\Phi 1600\text{mm}$
	Max. cutting dia. for axis parts	$\Phi 1000\text{mm}$	$\Phi 1190\text{mm}$
	Width of bed	970mm	
	Max. workpiece length	1.5/2/3/4/5/6/8/10m	
	Max. turning length	1.3/1.8/2.8/3.8/4.8/5.8/7.8/9.8mm	
PRINCIPAL AXIS	Spindle nose	A—15	
	Spindle bore	$\Phi 130\text{mm}$	
	Taper of spindle hole	Metric $\Phi 140$ 1:20	
	Steps of spindle speed	2 ranges (stepless in each)	
	Range of spindle speed	2.5 ~ 270rpm	
FEED	Rapid feed for Axis Z	8m/min	
	Rapid feed for Axis X	5m/min	
TRAVEL	Max. travel of Axis Z	1.5/2./3/4/5/6/8/10m	
	Max. travel of Axis X	820mm	900mm
TOOL POST	Tool post stations	4 stations	
	Tool cross section	50x50mm	
TAILSTOCK	External diameter	$\Phi 160\text{mm}$	
	Taper of tailstock sleeve	Metric $\Phi 80$	
	Max. travel of tailstock sleeve	300mm	
OTHER	Min. input	0.001mm	
	Power of main motor	22KW	
	Power of cooling pump	370W	
	Chuck dia	$\Phi 1250\text{mm}$	$\Phi 1400\text{mm}$
	Overall dimensions (LxWxH)	6200x2280x2130mm	6200x2280x2300mm
	Netweight	12700kg	13500kg
OPTIONAL	CNC system	●	●
	Tool post	●	●
	Chuck	○	○
	Spindle	○	○
	Tailstock	●	●
	Steady rest	●	●

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# ECONOMICAL CNC LATHE

(HARDENED GUIDE WAYS)



**CK64160**

**CK64160E**



## PRODUCT FEATURES

- Longitudinal and cross feeds are effected by ball leadscrews driven by servo motors driven by ball screws.
- 1100mm. wide base with double convex guide ways superspecially hardened.
- Square type for cross guide way and dovetail type for longitudinal guide way.

## TECHNICAL SPECIFICATIONS

ITEMS		CK64160	CK64160E
MACHINING	Max. cutting dia. for disc parts	Φ1600mm	
	Max. cutting dia. for axis parts	Φ1000mm	
	Width of bed	1100mm	
	Max. workpiece length	500mm	
PRINCIPAL AXIS	Spindle nose	A—15	
	Spindle bore	Φ130mm	
	Taper of spindle hole	Metric Φ140 1:20	
	Steps of spindle speed	24 steps	2 steps (stepless in each)
	Range of spindle speed	2.5 ~ 250rpm	2.5 ~ 34 20 ~ 270rpm
FEED	Rapid feed for Axis Z	6m/min	
	Rapid feed for Axis X	12m/min	
TRAVEL	Max. travel of Axis Z	500mm	
	Max. travel of Axis X	900mm	
TOOL POST	Tool post stations	4 stations	
	Distance from the Main shaft center is the cutter installation surface	50mm	
OTHER	Min. input	0.001mm	
	Power of main motor	22KW	22KW(Optional 26KW)
	Power of cooling pump	250W	
	Overall dimensions (LxWxH)	3500x2600x2100mm	
	Netweight	11000kg	
OPTIONAL	CNC system	●	●
	Tool post	●	●
	Chuck	○	○
	Spindle	○	○
	Tailstock	○	○
	Steady rest	○	○

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