



CSM-1440CNC CNC Flat-Bed Type Lathe

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USA**

Kent Industrial USA

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CSM-1440CNC

FEATURES

- Fanuc, Fagor, Siemens, Syntec, Lnc are available.
- CNC and manual operation.
- Dual electronic hand-wheels for manual turning.
- Teach in mode.
- Integrated PLC.
- Semi-automatic, automatic (cycle) and part program modes.
- Rapid traverse.
- Automatic home searching.
- 3 steps, 10-2000R.P.M. infinite variable spindle speed.
- 86mm (3-3/8inch) hole through spindles.
- 3-point supported spindle using 2 precision taper roller bearings and 1 ball bearing.
- All geared headstock, main gears are made from Chromium, Nickel, molybdenum alloy steel and are case hardened and "REISHAUER" ground.
- Forced spray lubrication system used for headstock.
- High precision ball-screws.
- Hardened of bed-way & cross ways meet HB 450.
- Auto lubrication unit for all slide-ways surface and ball-screws.
- 10HP (7.4kw) Main spindle motor.



▲ Electrical Box

FEATURES

- Fanuc, Fagor, Siemens, Syntec, Lnc are available.
- CNC and manual operation.
- Dual electronic hand-wheels for manual turning.
- Integrated PLC.
- Semi-automatic, automatic (cycle) and part program modes.
- Rapid traverse.
- Automatic home searching.
- 30-2000R.P.M. infinite variable spindle speed.
- All geared headstock, main gears are made from Chromium, Nickel, molybdenum alloy steel and are case hardened and "REISHAUER" ground.
- Forced spray lubrication system used for headstock.
- High precision ball-screws.
- Hardened of bed-way & cross ways meet HB 450.
- Auto lubrication unit for all slide-ways surface and ball-screws.
- 5HP Main spindle motor.



CSM-1740CNC



CSM-2080CNC

BRIEF SPECIFICATION

MODEL		CSM-1440CNC	1740CNC	1780CNC	1780CNC	2080CNC	2080CNC	2080CNC	
NOMINAL SIZE	Swing over bed	356 mm (14")	440 mm (17-5/16")			510 mm (20")			
	Swing over cross slide	220 mm (8-5/8")	190 mm (7-1/2")			260 mm (10-1/4")			
	Distance between centers	1000 mm (40")	1000 mm (40")	1500 mm (60")	2000 mm (80")	1000 mm (40")	1500 mm (60")	2000 mm (80")	
BED	Width of bedways	206 mm (8-1/2")	330 mm (13")						
	Swing over gap	515 mm (20")	660 mm (26")			730 mm (28-3/4")			
SPINDLE	Number of spindle speeds	3 steps			3 steps				
	Range of spindle speeds	30 - 2000 R.P.M.			10 - 2000 R.P.M.				
	Hole through spindle	38 mm (1-1/2")			86 mm (3-3/8")				
	Spindle nose	D1-4			D1-8				
	Taper of spindle bore	M.T.#5			M.T.#7 (Sleeve M.T.#5)				
TAIL STOCK	Total travel of tailstock barrel	120 mm (4-3/4")			160 mm (6-5/16")				
	Taper in tailstock barrel	M.T.#3			M.T.#5				
	Diameter of barrel	45 mm (1-3/4")			75 mm (3")				
X-AXIS	Cross slide travel (X-axis)	203 mm (8")			280 mm (11")				
	Ballscrew	25 mm			25 mm				
	X axis driver motor	7.3 Nm							
	Rapid travel (X-axis)	6 m/min							
Z-AXIS	Longitudinal travel (Z-axis)	840 mm (33-1/2")	920 mm (36-1/4")	1430 mm (56-1/4")	1940 mm (76-3/8")	920 mm (36-1/4")	1430 mm (56-1/4")	1940 mm (76-3/8")	
	Ballscrew	32 mm			40 mm				
	Z axis driver motor	7.3 Nm			9.3 Nm				
	Rapid travel (Z-axis)	8 m/min							
MOTOR	Main spindle motor	5 HP			10 HP				
	Coolant pump	1/8 HP							
WEIGHT	Machine net weight	950 kgs	1800 kgs	2000 kgs	2300 kgs	2100 kgs	2300 kgs	2600 kgs	

We reserve the right to modify and improve our products.

Standard Accessories

- | | | |
|----------------------------------|--------------------------------------|----------------------------------|
| 1. CNC controller. | 5. Safety guard. | 9. Tool box and adjusting tools. |
| 2. Back plate for chuck. | 6. Work lamp. | 10. Center sleeve. |
| 3. Coolant pump. | 7. Electronic hand wheel X & Z axis. | 11. Two deal centers. |
| 4. Automatic lubrication system. | 8. Main motor. | 12. Optional manual & part list. |

Optional Accessories

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|---------------------------------|--|-----------------------------|
| 1. 3-jaw scroll chuck. | 5. Hydraulic chuck with draw bar. | 9. Follow rest. |
| 2. 4-jaw independent chuck. | 6. Hydraulic tailstock. | 10. Face plate. |
| 3. Electrical 4 way toolpost. | 7. Quick change toolpost with 4 pcs toolholders. | 11. Live center. |
| 4. Hydraulic 8 position turret. | 8. Steady rest. | 12. Drill chuck with arbor. |

Due to different model with different equipments.



▲ Electrical 4 way toolpost



▲ Hydraulic system Turret



▲ Electrical system Turret



▲ Hydraulic Tailstock

Our goal is to help our customers get their job done precisely, productively, and profitably. By partnering with the best people and companies in the industry and by working together with a common vision, our success comes when our customers are successful.

Who's Who of Our Customer List:

Here at Kent USA, we take pride in knowing that our machines are making parts and profits for our customers in small and large shops throughout. For this reason, we would like to give our thanks to the following businesses:

Allied Signal, Avery Denison, Emerson Electric, Harley Davidson, The Hon Company, Case Industries, John Deere, Nissan, Chrysler Jeep, GM, IBM, Sony, Boeing, Northrop, GE, United Technologies, Coors Ceramic, Morton International, Timken Bearing, INA Bearing, Florida Power and Light, Utah Power and Light, Los Angeles DWP, NASA, UCLA, UCI, etc.



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