



MACHINERY SOLUTIONS, INC.

3111 Via Mondo, Rancho Dominguez
CA 90221 U.S.A.

Phone: (310) 537-2522
Fax: (310) 637-0490

web site: www.victormachines.com
e-mail: info@victormachines.com



40120 shown

*Machine shown with optional accessories and configurations

32/40/4800 Oil Country CNC Lathes

STANDARD FEATURES

- Fanuc 0i-TC 7.2" monochrome LCD
- Fanuc high speed and high efficiency ai series AC digital spindle motor
- Fanuc ai series AC digital servo motor on X / Z axis
- Ø6.10" (155mm) through-hole A2-11 spindle nose
- Optional Ø9.84" A2-15, Ø12" A2-20, and Ø14.96" A2-20 through-hole spindle nose
- 4-range headstock gearbox from 4 ~ 600 rpm
- Optional automatic spindle speed gear change
- Optional rear spindle nose
- 31.5" / 39.37" / 47.24" swing over bed
- 20" / 27.95" / 35.83" swing over cross slide
- 47.24" / 78.75" / 118.11" / 157.48" distance between centers
- 23.23" x-axis cross-slide travel
- One (1) remote pendant handwheel
- Standard tool size 1 1/4" x 1 1/4" square shank
- 15" Steady rest with rollers (15" ~ 25.5" optional)
- Follow rest
- Full rear enclosure splash guard with dual front sliding doors
- Automatic lubrication system
- Manual 2-speed tailstock (hydraulic tailstock optional)
- Integral coolant system
- Work light
- Set of leveling pads, screws, and nuts
- Tool box and service tools
- Full one year parts warranty on machine and CNC control

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Model	3200 Series	4000 Series	4800 Series	
Swing over bed	31.5"	39.37"	47.24"	
Swing over cross slide	20"	27.95"	35.83"	
Swing over gap	43.31"	51.18"	59"	
Bed width	21.65"			
Between centers	47.24"	78.75"	118.11"	157.48"

Spindle

Spindle bore diameter (standard)	Ø6.10" A2-11		
Spindle bore diameter (optional)	Ø9.84" A2-15	Ø12" A2-20	Ø14.96" A2-20
Spindle speeds (4 ranges)	4 ~ 600 rpm (Ø6.10" bore)		

Servo Motor System

Spindle motor (AC digital)	Fanuc AC spindle motor α i22 series
X axis servo motor (AC digital)	Fanuc AC servo motor α i12 series
Z axis servo motor (AC digital)	Fanuc AC servo motor α i22 series
Servo amplifier	Fanuc servo amplifier α i series

Travels

Cross slide travel (X axis)	23.23"			
Longitudinal travel (Z axis)	38.58"	70"	109.45"	148.82"
Rapid traverse (X / Z axis)	236 / 315 ipm			
Z axis ballscrew	Ø2.48" x P10			
X axis ballscrew	Ø1.57" x P5			

Tailstock

Tailstock taper center	MT #6
Tailstock quill diameter	4.92"
Tailstock quill travel	9.84"

Power

Spindle motor	22 HP cont (26 HP 30 min peak)
X axis servo motor	4 HP (3.0kw 12Nm)
Z axis servo motor	5.4 HP (4.0kw 22Nm)
Coolant pump	1/4 HP
Voltage	220V / 3 Phase

Weight

Gross machine weight (approx.)	16,100 lb. (4048)	18,600 lb. (4080)	21,000 lb. (40120)	23,600 lb. (40160)
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