

**VICTOR<sup>®</sup>**  
**MACHINES**

**2100 DCL SERIES**

# DIGITAL CONTROL LATHE

## FEATURES

- FANUC 20-TA CNC Control
- CNC Assisted manual machining
- Teach-in / playback operation
- Graphics Conversational Programming
- Full CNC automatic operation
- Tool radius & geometry compensation
- FANUC industry standard G-codes
- Rugged cast iron construction
- Constant surface speed (vector control)
- Triple electronic handwheels
- Auto lubrication & coolant system



## SPECIFICATIONS

DESCRIPTION		2144DCL	2167DCL
CAPACITY	Swing over bed	21" (530 mm)	
	Swing over cross-slide	11 1/4" (280 mm)	
	Distance between center	44" (1,100 mm)	67" (1,700 mm)
	Width of bed	12" (300 mm)	
SPINDLE	Spindle bore	Ø 2 1/4" (Ø 58 mm)	
	Spindle nose	D1-6 Camlock	
	Spindle taper	M.T. #6	
	Spindle speeds (2 Steps - Infinitely Variable) (Vector Spindle Control)	Low Gear: 25-145 rpm Medium Gear: 110-650 rpm High Gear: 465-2500 rpm (Higher speeds available upon request)	
	Spindle Motor	10" HP (7.5KW)	
CARRIAGE	Cross slide travel (X axis)	11" (280 mm)	
	Longitudinal travel (Z axis)	36" (900 mm)	60" (1,500 mm)
	Rapid traverse X / Z axis	200 ipm / 300 ipm	
	Toolpost shank	1"x1"	
	Servo motor torque (X / Z axis)	2.1 Nm / 4.5 Nm	
TAILSTOCK	Tailstock quill diameter	Ø 2 3/8" (Ø 60 mm)	
	Tailstock taper	M.T. #4	
	Tailstock travel	6" (150 mm)	
MACHINE	Floor space required (L x W)	90"x64"	120" x 60"
	Gross machine weight	4,960 lbs.	5,500 lbs.

• Specifications are subject to change without notice for further design improvements

### STANDARD MACHINE FEATURES / ACCESSORIES

1. Automatic lubrication System	4. High visibility fluorescent work light	7. Dead centers & center sleeve
2. Triple (3) electronic handwheels	5. Built-in coolant system	8. Leveling Mounts
3. Single sliding door with inspection window	6. Full length rear splash guard	

### STANDARD CNC FEATURES

1. Manual machining function	7. Auto spindle jog during gear changes	13. Animated tool path graphics
2. Guidance machining function	8. Vector control spindle drive	14. RS-232 serial port
3. Teach & playback programming	9. Simultaneous multiple M-codes (Up to 3)	15. 16 tool geometry & wear offsets
4. Conversational graphics programming	10. Feedrate override: 0% to 200%	16. 16 tool nose radius compensation
5. Full G-code CNC capability	11. Spindle override: 50% to 150%	
6. Constant surface speed control	12. Backlash error compensation	

### OPTIONAL MACHINE FEATURES / ACCESSORIES

- 3-jaw high speed chuck (Various Sizes)
- 4-jaw high speed chuck (Various Sizes)
- Aloris indexable tool post
- CNC horizontal 4-position turret
- CNC vertical 8-position turret
- Hydraulic chuck (8" / 10")
- Steady rest
- Follow rest
- Face plate
- 5C collet closer
- Live center

### OPTIONAL CNC FEATURES

- Run Time / Part Count Display
- Chamferring, Corner R
- Canned cycle G60-G76
- Background program editing



## MACHINERY SOLUTIONS, INC.

For more information please call: (310) 537-2522

web-site: [www.VictorMachines.com](http://www.VictorMachines.com)

e-mail: [info@VictorMachines.com](mailto:info@VictorMachines.com)