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

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>2167DCL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAPACITY</strong></td>
<td></td>
</tr>
<tr>
<td>Swing over bed</td>
<td>21” (530 mm)</td>
</tr>
<tr>
<td>Swing over cross-slide</td>
<td>11 ¼” (280 mm)</td>
</tr>
<tr>
<td>Distance between center</td>
<td>67” (1,700 mm)</td>
</tr>
<tr>
<td>Width of bed</td>
<td>12” (300 mm)</td>
</tr>
<tr>
<td><strong>SPINDLE</strong></td>
<td></td>
</tr>
<tr>
<td>Spindle bore</td>
<td>∅ 2 ¼” (58 mm)</td>
</tr>
<tr>
<td>Spindle nose</td>
<td>D1-6 Camlock</td>
</tr>
<tr>
<td>Spindle taper</td>
<td>M.T. #6</td>
</tr>
<tr>
<td>Spindle Motor</td>
<td>10” HP (7.5KW)</td>
</tr>
<tr>
<td><strong>CARRIAGE</strong></td>
<td></td>
</tr>
<tr>
<td>Cross slide travel (X axis)</td>
<td>11” (280 mm)</td>
</tr>
<tr>
<td>Longitudinal travel (Z axis)</td>
<td>60” (1,500 mm)</td>
</tr>
<tr>
<td>Rapid traverse X / Z axis</td>
<td>200 ipm / 300 ipm</td>
</tr>
<tr>
<td>Toolpost shank</td>
<td>1”x1”</td>
</tr>
<tr>
<td>Servo motor torque (X / Z axis)</td>
<td>2.1 Nm / 4.5 Nm</td>
</tr>
<tr>
<td><strong>TAILSTOCK</strong></td>
<td></td>
</tr>
<tr>
<td>Tailstock quill diameter</td>
<td>∅ 2 3/8” (∅ 60 mm)</td>
</tr>
<tr>
<td>Tailstock taper</td>
<td>M.T. #4</td>
</tr>
<tr>
<td>Tailstock travel</td>
<td>6” (150 mm)</td>
</tr>
<tr>
<td><strong>MACHINE</strong></td>
<td></td>
</tr>
<tr>
<td>Floor space required (L x W)</td>
<td>120” x 60”</td>
</tr>
<tr>
<td>Gross machine weight</td>
<td>5,500 lbs.</td>
</tr>
</tbody>
</table>

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

### STANDARD MACHINE FEATURES / ACCESSORIES

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

### STANDARD CNC FEATURES

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

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**MACHINERY SOLUTIONS, INC.**

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