FEELER is a leading global producer of numerically controlled machine tools that has been recognized for its excellent specifications and competitive prices by tier-one automotive, medical, and aerospace suppliers. Founded in 1979 to produce parts for Japanese machine and construction manufacturers, FEELER has capacity for annual production of 8,000 CNC machine tools per year. A company devoted to Research and Development, plus a two stage quality control process, FEELER is poised to become the global leader in high quality machines at competitive prices.
High Rigidity Structure for Ultimate Performance!

The machine structure and major parts are manufactured from MEEHANITE cast iron for outstanding material stability and assures long-term deformation-free performance. The entire machine construction underwent ANSYS and NASTRAN finite element analysis to achieve optimal rigidity and stability.
Unrivaled New Design Gives You the Advantage.

The FTC Series is designed to give excellent performance at an exceptional value. The high torque spindle motor combined with a single piece Meehanite cast iron base produces superior accuracy and surface finish.

FTC-SERIES Features

- Linear guideways on X and Z
- 30 degree slant bed
- FANUC control and motors
- Small footprint (floor space)
- Chip conveyor standard
- Two year warranty
- Standard tooling package
- Designed by Methods

877.668.4262 FEELER@METHODSMACHINE.COM www.METHODSMACHINE.COM
FTC-100 6000 RPM  FANUC A8i
A high precision combination of cylindrical roller bearings and angular contact thrust bearings are utilized in the spindle to meet the demanding needs of heavy cutting.

**FTC-100 Features**

- Swing over bed 20.5 in (520 mm)
- Standard turning diameter 7.1 in (180 mm)
- Max. turning diameter 9.4 in (240 mm)
- Max. turning length 10 in. (255 mm)
- Automatic tool setter (option)

**Standard**

- FANUC 0i-TD control
- 6,000 RPM / 15 HP spindle motor
- 1.7 In. bar capacity
- 10 station turret
- Two year warranty
- 6 in. 3-jaw power chuck
- Hydraulic parts catcher
- Bar feeder interface
- 100 psi coolant pump
- Tool holder package
- Hard jaw (1 Set)
- Soft jaw (3 Sets)
- Flood coolant over main spindle
- Automatic lubrication system
- Enclosed splash guard
- Safety interlock package
FTC-150 with chip conveyor

FTC-150 6000 RPM  FANUC A8i

SPINDLE SPEED (rpm)

<table>
<thead>
<tr>
<th>Torque</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.14 kgf-m @ 1500 rpm</td>
<td>30 min</td>
</tr>
<tr>
<td>4.87 kgf-m @ 1500 rpm</td>
<td>Continuous</td>
</tr>
<tr>
<td>1.78 kgf-m</td>
<td>1 min</td>
</tr>
<tr>
<td>1.22 kgf-m</td>
<td>5 min</td>
</tr>
</tbody>
</table>

877.668.4262  FEELER@METHODSMACHINE.COM  WWW.METHODSMACHINE.COM
FTC-150 Features

- 6 in. chuck A2-5
- Max. turning diameter 11.8 in. (300 mm)
- Max. turning length 13.2 in. (310 mm)
- Bar capacity: 2.0 in. (52mm)
- 30 degree slant bed is one-piece constructed
- Linear guideways on X, Z-axis

FTC-150

Standard

- FANUC Oi-TD control
- 6000 RPM / 15 HP
- Two year warranty
- Manual tailstock
- 3-jaw power chuck
- Hydraulic quill movement
- Chip conveyor
- Bar feeder interface
- Methods safety package:
  - Lexan interlock/lockout main
  - Pneumatic parts catcher
- High pressure coolant pump
- Tool holder package
- Hard jaw (1 set)
- Soft jaw (3 sets)

Optional

- Extra hard/soft jaw
- Automatic door
- Tool setter
- Programmable tailstock
- Collet chuck
- Oil mist collector
| SPINDLE SPEED (rpm) | TORQUE
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Continuous</td>
</tr>
<tr>
<td></td>
<td>3.25 kgf-m</td>
</tr>
<tr>
<td></td>
<td>13 kgf-m</td>
</tr>
<tr>
<td></td>
<td>16 kgf-m</td>
</tr>
</tbody>
</table>

| SPINDLE SPEED (rpm) | POWER
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Continuous</td>
</tr>
<tr>
<td></td>
<td>4.0 kgf-m</td>
</tr>
<tr>
<td></td>
<td>3.25 kgf-m</td>
</tr>
<tr>
<td></td>
<td>13 kgf-m</td>
</tr>
<tr>
<td></td>
<td>16 kgf-m</td>
</tr>
</tbody>
</table>

FTC-200L with chip conveyor

FEELER FTC-200L 4500 RPM FANUC AP15i

877.668.4262 FEELER@METHODSMACHINE.COM WWW.METHODSMACHINE.COM
FTC-200L Features

- FANUC Oi-TD control
- 4500 RPM / 25 HP
- Two year warranty
- Manual tailstock
- 3-jaw power chuck
- Hydraulic quill movement
- Chip conveyor
- Bar feeder interface
- Methods safety package: Lexan/interlock/lockout main
- Pneumatic parts catcher
- High pressure coolant pump
- Tool holder package
- Hard jaw (1 set)
- Soft jaw (3 sets)

12-Position Turret

Standard

- 8 in. chuck A2-6
- Max. turning diameter 13.8 in. (350 mm)
- Max. turning length 26.0 in. (660 mm)
- Bar capacity: 2.5 in. (65 mm)
- 30 degree slant bed is one-piece constructed
- Linear guideways on X, Z-axis

Optional

- Extra hard/soft jaw
- Automatic door
- Tool setter
- U drill holder, socket
- Programmable tailstock
- Oil mist collector
- Collet chuck
# FTC Series Specifications

## TRAVEL

<table>
<thead>
<tr>
<th></th>
<th>FTC-100</th>
<th>FTC-150</th>
<th>FTC-200L</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-Axis • Linear Guideways</td>
<td>4.7 + 0.8 (120 + 20)</td>
<td>5.9 + 0.8 (150 + 20)</td>
<td>6.9 + 1.0 (175 + 25)</td>
</tr>
<tr>
<td>Z-Axis • Linear Guideways</td>
<td>11.4 (290)</td>
<td>13.8 (350)</td>
<td>27.5 (700)</td>
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</tbody>
</table>

## SPINDLE

<table>
<thead>
<tr>
<th></th>
<th>FTC-100</th>
<th>FTC-150</th>
<th>FTC-200L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spindle Speed</td>
<td>6000</td>
<td>6000</td>
<td>4500</td>
</tr>
<tr>
<td>Spindle Motor</td>
<td>15</td>
<td>15</td>
<td>25</td>
</tr>
<tr>
<td>Spindle Nose</td>
<td>A2-5</td>
<td>A2-5</td>
<td>A2-6</td>
</tr>
<tr>
<td>Hydraulic Chuck Diameter</td>
<td>6 (152.4)</td>
<td>6 (152.4)</td>
<td>8 (203.2)</td>
</tr>
<tr>
<td>Bar Capacity</td>
<td>1.7 (44)</td>
<td>2.0 (52)</td>
<td>2.5 (56)</td>
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</tbody>
</table>

## WORKING RANGE

<table>
<thead>
<tr>
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<th>FTC-100</th>
<th>FTC-150</th>
<th>FTC-200L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing Over Bed</td>
<td>20.5 (521)</td>
<td>21.7 (550)</td>
<td>23.6 (600)</td>
</tr>
<tr>
<td>Swing Over Saddle</td>
<td>10.2 (260)</td>
<td>10.2 (260)</td>
<td>15.7 (400)</td>
</tr>
<tr>
<td>Max. Turning Diameter</td>
<td>9.4 (240)</td>
<td>11.8 (300)</td>
<td>13.8 (350)</td>
</tr>
<tr>
<td>Max. Turning Length</td>
<td>10.3 (255)</td>
<td>12.2 (310)</td>
<td>26 (660)</td>
</tr>
</tbody>
</table>

## TAILSTOCK

<table>
<thead>
<tr>
<th></th>
<th>FTC-100</th>
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</thead>
<tbody>
<tr>
<td>Quill Taper</td>
<td>MT</td>
<td>MT-3</td>
<td>MT-3</td>
</tr>
<tr>
<td>Quill Stroke</td>
<td>3.1 (80)</td>
<td>3.1 (80)</td>
<td>3.5 (90)</td>
</tr>
<tr>
<td>Quill Diameter</td>
<td>2.0 (50)</td>
<td>2.0 (50)</td>
<td>2.8 (70)</td>
</tr>
</tbody>
</table>

## TURRET

<table>
<thead>
<tr>
<th></th>
<th>FTC-100</th>
<th>FTC-150</th>
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</thead>
<tbody>
<tr>
<td>Number of Tools</td>
<td>10</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>Standard O.D. Tool Size</td>
<td>0.8 (20)</td>
<td>0.8 (20)</td>
<td>1.0 (25)</td>
</tr>
<tr>
<td>Maximum O.D. Tool Size</td>
<td>1.0 (25)</td>
<td>1.0 (25)</td>
<td>1.6 (40)</td>
</tr>
<tr>
<td>Turret Indexing Time</td>
<td>0.4</td>
<td></td>
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</tr>
</tbody>
</table>

## CONTROL

<table>
<thead>
<tr>
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<th>FTC-100</th>
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<th>FTC-200L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fanuc</td>
<td>-</td>
<td>0i-TD</td>
<td></td>
</tr>
</tbody>
</table>

Specifications subject to change without notice.
Options

LNS Bar Feeders

JobShop Cell with FTC

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