The ProTurn 9000 requires no assembly, arriving at your facility ready to run on an Ethernet port on a standard PC. The system uses powerful AC drive motors on the spindle and both axes, for part cutting in a variety of materials. Like larger industrial machines, the ProTurn 9000 uses EIA, ISO, and FANUC™-compatible G&M code programs.

With available supplements like CNCBase® control software, CNCMotion® full 3-D virtual simulation software, FANUC™ control software, and LearnMate® e-learning curriculum specific to the machine, the ProTurn 9000 is the perfect training solution, with exceptional ease-of-use, safety features and reliability.

### Specifications

**Axis Travel**
- **X Axis**, max 90 mm 3.54”
- **Z Axis** 305 mm 12.00”

**Work Area**
- Swing over bed 250 mm 9.87”
- Swing over cross slide 150 mm 5.90”
- Max distance between centers 450 mm 17.75”
- Bed width 135 mm 5.33”

**Spindle**
- Motor Type: Brushless
- Motor power: 1.34 hp, 1000 w
- Spindle speed: 100 – 3000 RPM
- Spindle taper: MT3

**Tooling**
- Automatic tool position: 4
- Tool post angle: 360 deg.
- Tailstock taper: MT2
- Tailstock travel: 50 mm 1.97”

**Accuracy**
- Position accuracy: 0.015 mm 0.0006”
- Repeatability: 0.010 mm 0.0004”

**Dimensions**
- **Machine size**
  - Width: 1460 mm 57.50”
  - Depth: 760 mm 30.00”
  - Height: 1500 mm 59.00”

- **Shipping size**
  - Width: 1625 mm 64.00”
  - Depth: 1150 mm 45.25”
  - Height: 1790 mm 70.50”

**Weight (approximate)**
- Machine weight: 490 Kg 1080 lbs
- Shipping weight: 570 Kg 1257 lbs

**Axis Drive Motors**
- Axis motor type: AC servo
- X axis: 400w
- Z axis: 400w
- Rapid feed rate: 5000 mm/min 197 ipm
- Feed rate: 2540 mm/min 100 ipm

**Air Supply**
- Only required for optional pneumatic accessories: 90 psi (620 kPa)
- 1/4” NPT female connection provided

**Control Software**
- EIA RS274-D standard G & M code compatible
- FANUC® compatible
- CAD/CAM compatible
- Advanced NC code editing
- Real-time or simulated graphic tool path verification

**Computer System Requirements**
- Intel / AMD Single Core 1.6GHz
- 512MB RAM
- 300MB Available Disk Space
- Windows XP SP3 / Vista / 7 - 32 or 64bit
- 1 available LAN port*

**Power Requirements**
- United States
  - 115 VAC (+5%/-10%) 60 Hz, 20A
- International
  - 230 VAC (+5%/-10%) 50 Hz, 8A

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**Standard Features**
- Ethernet-based control
- Powerful AC spindle motor
- AC motors on both axes
- Full enclosure with automatic safety door lock
- Automatic diagnostics and power cut off protection
- PC-based CNC software
- Coolant-ready
- Jog pendant ready
- Robotic integration-ready with 6 inputs, 6 outputs
- No assembly required

**Included Accessories**
- Tailstock
- 4” 3-jaw chuck
- 4-station automatic tool turret
- One shot lubrication system
- Internal work light

**Turning center accessory package:**
- (1) Chuck key
- (1) Chuck jaw set
- (2) Dead centers
- (1) Spanner wrench
- (1) 4-pc. Allen wrench set
- (1) 4-pc. Open-end wrench set
- (1) 2M Ethernet cable
- (1) Storage box
- Misc. accessories

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*Only required for optional pneumatic accessories.*
ProTurn 9000 CNC Turning Center

Options and Accessories

Coolant System  
Jog Pendant Handwheel  
Air Chuck

Machine-mounted Computer / Monitor stand  
MT2 Tailstock Chuck  
Rolling Center, Tailstock MT2

TiN-coated Cutter, 7-pc set, 10mm x 10mm  
125mm 4-jaw Chuck

Ordering Information

Hardware
ProTurn 9000 - 110 VAC  00-5501-0110
ProTurn 9000 - 220 VAC  00-5501-0220
Starter Bundle, 110/220 VAC, Imp/Met  C9000-STRT
Includes:
- CNC ProTurn 9000
- 10 x 10mm Cutter Tool Holder
- TiN-coated Tip
- Drill Chuck for Tailstock
- Rolling Center
- LM7 Content, Vir, CNC Turning w/ProTurn 9000

Advanced Bundle, 110/220 VAC, Imp/Met  C9000-ADV
Includes all items in the Starter Bundle, plus:
- 4-jaw Chuck
- Handwheel - Manual Control
- Coolant System
- Computer / Monitor Stand

Software
CNCMotion® Simulation Software  63-6789-1000
FANUC™ 21i Emulator  63-6789-2000-FA
SpectraCAM Turning  10-6743-0000

Curriculum
CNC Turning with ProTurn 9000, LearnMate course, Lab
- Imperial  77-8143-0001
- Metric  77-8143-0002
CNC Turning with ProTurn 9000, LearnMate course, Virtual
- Imperial  77-3143-0001
- Metric  77-3143-0002

Accessories
Machine-Mounted CPU / Monitor Stand  10-1105-5000
Tailstock Chuck MT2 Taper 1/2" [13mm]  10-1105-7000
4-Jaw Chuck with 4.9" [125mm] Flange  10-1105-9000
Steady Rest  10-1106-4000
Follow Rest  10-1106-5000
Rolling Center, Tailstock MT2 Taper  10-1106-6000
TiN-coated Cutter with Inserts, 7 Pc Set, 10 mm  10-1110-1000
7-Piece Set, Insert Replacements  10-1110-2000
Pneumatic Shield Opener with Sensors  10-1110-6000
Pneumatic Air Chuck  10-1111-0000
Jog Pendant Handwheel  10-1111-1000
Basic Air Compressor and Conditioning System  10-4526-0000
Quiet Operation Air Compressor / Cond. System  10-4527-0000
Coolant System - 110 VAC  10-1108-1100
Coolant System - 220 VAC  10-1108-1220
Project Kit, Brass Cannon  10-9307-0000
Project Kit, Sterling Engine  10-9603-0000
Project Kit, Chess Set  10-7551-0000

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