



# ProTurn 9000 CNC Turning Center

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.



## Standard Features

- Ethernet-based control
- Powerful AC spindle motor
- AC axes motors
- 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) Internal diameter chuck jaw set
- (1) Wrench set
- (2) Dead centers
- (1) 2M cable
- (1) Storage box

## 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	100 ipm 2540 mm/min

### Air Supply Requirements

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\*

\*Additional LAN port required if your computer requires wired network access

## Power Requirements

### United States

115 VAC (+5%/-10%) 60 Hz, 20A

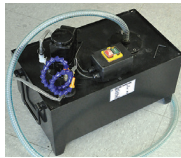
### International

230 VAC (+5%/-10%) 50 Hz, 8A

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## Options and Accessories

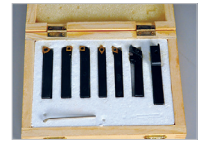
Part #011081:  
Coolant system



Part #011055:  
Machine-mounted  
computer monitor  
and CPU stand



Part #011101:  
TiN-coated cutter,  
7-pc set, 10mm x 10mm  
Part #011102: TiN-  
coated tip for #011101



Part #011111: Jog  
pendant handwheel



Part #011057 MT2:  
tailstock chuck,  
13mm



Part #011106:  
Shield opener with sensors  
Part # 10-6471-0000: SpectraCAM software.  
Single Seat license

Part # 10-6471-0010: SpectraCAM software.  
10 Seat license.

Part #011110: Air Chuck



Part #011066: Rolling  
center, tailstock MT2



Part # 10-6471-0030: SpectraCAM software.  
30 Seat Site license.

Part # 10-6701-0000: SpectraCAM software  
for Milling and Turning, includes SpectaCAD  
Engraver. Single Seat license.

Part #011059  
125mm 4-jaw chuck



Part # 10-6701-0010: SpectraCAM software  
for Milling and Turning, includes SpectaCAD  
Engraver. 10 Seat license.

Part # 10-6701-0030: SpectraCAM software  
for Milling and Turning, includes SpectaCAD  
Engraver. 30 Seat Site license.

## Ordering Information

### Hardware

CNC ProTurn 9000 AC 110V	005501-110
CNC ProTurn 9000 AC 220V	005501-220
ProTurn 9000 AC-S 110V with Siemens control	005503-110
ProTurn 9000 AC-S 220V with Siemens control	005503-220

### Software

CNCMotion® simulation software	
Single Seat License license	63-6001-1000
Ten (10) seat license	63-6001-1010
Site license (30 seat)	63-6001-1030
Fanuc™ 21i Emulator	63-9001-2000

### Curriculum

CNC Turning with ProTurn 9000, LearnMate course, Lab	
Imperial	17-8143-0001
Metric	17-8143-0002
CNC Turning with ProTurn 9000, LearnMate course, Virtual	
Imperial	17-3143-0001
Metric	17-3143-0002

Contact Us:

