

OmniTurn Price List

*See how to save \$2,000

OmniTurn GT-75



Tel: (631) 694-9400 - Fax: (631) 694-9415
sales@omni-turn.com - www.omni-turn.com

February 2017

OmniTurn GT -75 Machine Includes:

Gang-tooled for fastest tool changes. 75° slant bed lets chips fall away quickly. 12" X-Axis travel; 9" Z-Axis travel. Highest quality ground ball-screws and linear guides for precision and reliability. Closed-loop servo system provides .0001" accuracy with .00005" resolution. 5hp spindle (C-Axis positioning optional) 4000 rpm (5000 & 6000 rpm optional) Barfeed ready.

OmniTurn GT-75 FOB Port Orford, OR.....\$36,295*

Includes: Std 5HP spindle drive, 4000 rpm, flood coolant, full enclosure, pneumatic collet closer, 12" x 9" travel, 5C spindle taper, work light, 32M hard disk, manual & documentation. 1 or 3 phase, 208-240V

OmniTurn GT-75 With C axis spindle drive, 208-240V 3 phase.....\$39,595*

WHEN PAID IN FULL AT TIME OF ORDER

OMNITURN GT SPECIFICATIONS:

- Travel in X: 12"
- Travel in Y: 9"
- Tooling Height: ½"
- Tooling Plate Size: 6" x 14"
- Tooling Type: Gang type (quick change)
- Repeatability of Slide Travel: .0001" (one tenth)
- Resolution of Slide Travel: .00005" (50 millionths)
- Accuracy of Slide Travel: .0001" (one tenth)
- CNC Control: OmniTurn PC Based
- Rapid Travel: 300 ipm
- Feed Rate: .00005"/rev to 300ipm
- Threading: 240tpi to 0.5tpi (2" pitch; useful for multi-start)
- Thrust: 500lb continuous; 750lb intermittent
- Axis Motors: Closed Loop Servo w/Velocity Feedback for stiffness
- Acceleration: .04sec 0 to 300ipm

CONSTRUCTION:

- Linear Ways: Precision Linear Guides
- Ball Screws: Precision ground, Zero Backlash
- Base Billet: MJ7 Composite Casting
- Headstock: Cast Iron
- Frame Finish: Heavy Duty Powder Coat
- Coolant Pump: 1/8hp (1/4hp optional)

SPINDLE:

- Cartridge Type: Class 7 Angular Contact
- Spindle Taper, ID: 5C .000025" TIR
- Spindle Taper, OD: Plain, 4° Cam Lock, Threaded (options)
- Collet Actuator: Pneumatic

SPINDLE DRIVE, STANDARD:

- Spindle RPM : 100 - 4000rpm (5000rpm, 6000rpm optional)
- Power: 5hp
- RPM Programmable: RPM and CSF

SPINDLE DRIVE, C-AXIS:

- Spindle RPM: 10 - 4000rpm (5000rpm, 6000rpm optional)
- Power: 4.5hp
- RPM Programmable: RPM, CSF, C (abs), C (incr), C/X, C/Z, C/X/Z
- Spindle Positioning Resolution: .02°

REQUIREMENTS:

- Electrical: 208 - 240 VAC 1 or 3 phase 20 A
- Air: Compressed Air 3.0 cfm @ 60 - 100 psi

Control Specifications:

Servo update time: 001 second - Servo loop gain: 4" /min/vm - Uses standard EIA G codes: - G00, G01, G02, G03, 004, G10, G33, G34, G35, G36, G40, G41,G42, G70, G71, G73, G74, G75, G76, G77, G78, G81, G90, G91, G96, G97 - On screen parts counter: counts up or down - M00, M01, M02, M03,M04,M05, M08/M09, M12/M13, M30, M97, M98, M99 - Tool Offsets can be saved with program: Counts up or down 9 Mb program storage (Approx. 9000 programs) 32 tool offsets/program; 32 secondary offsets/program; 32 tool nose radius/program - Full screen text editor - Solid State Hard Drive for CNC and primary program storage - Storage of unlimited number of programs via additional USB Thumb Drive- Joy stick for movement in Jog mode for setup - Jog speeds - Jog increments: 100 ipm, 10 ipm, 1 ipm - Feed rate over ride: .00005" / .001" / .01" / .1" / 1" - Spindle speed over ride: 0-120% - Program Input: 0-120% - Diameter or Radius Programming: Keyboard, RS-232, Network

OmniTurn GT -75 Machine Options:

Center height options

3/8" – Recommended for those who want to use existing tooling from HC's and AHC's	\$750.00
2" – For special applications. ie: loaders, large parts, tailstock applications	\$1,795.00

Spindle drive options

5 HP spindle drive – 100 to 4000 RPM. 200 to 245V, single or three phase.....(5K RPM POR).....Std.	
Short cycle drive – 2HP, 4000 RPM max, 200 to 245V, single or 3 phase, for use with std 5hp. drive	\$500.00
1 to 3 phase converter for C axis spindle drive	\$950.00
Short cycle option for C axis drive.....0-4K RPM 20 time per minute.....	POR

Additional options

Vertical cut off – Factory installed – 1" stroke - .001" repetition. (Can be retrofit to all machines – POR)	\$6,500.00
Collet closer - Low pressure version. Works from 1 to 200Lbs of pull force on collet	\$2,700.00
Work tray for tooling and parts mounted to the outside of the GT with coolant draining back into coolant tank	\$195.00
1/4 hp coolant pump and mounting hardware	\$495.00
Pneumatic parts catcher – GT-75 only	\$795.00
Divert shoot and basket	\$950.00
Lag bolt kit for adhering GT's to the floor – Must be used in conjunction with bar feeds	\$140.00
Additional I/O – for use with automation and magazine bar feeds.....16 IN / 14 OUT.....	\$1,330.00
Parts conveyor – Factory installed (Can be retrofit to all machines – POR)	\$2,800.00
Through the spindle coolant – Low pressure – M function controlled	\$1,250.00
Through the spindle air blast – M function controlled	\$750.00
Disk Brake for spindle lock for simple live tool operations, used M25/M26 or additional I/O	\$950.00
Outboard support (2 pt steady rest for long thin parts)	\$795.00
Drill checker – installed with additional I/O	\$2,800.00
Tailstock - M function controlled or manual lever activation	\$2,500.00
Live center for tailstock - 5/8" OD, needle bearing, spring loaded	\$225.00
Airblast to clean chuck or collet, to be mounted by end user as needed, uses M25/M26 if available or additional I/OTooling plate mounted.....	\$295.00

M function outlets for Live tooling - Requires additional I/O or C axis spindle drive

M Function outlet - 220V – 3 phase	\$495.00
NSK 2550 Interface capable of running two spindles	\$495.00
NSK3000 Interface capable of running four spindles	\$495.00

Tooling Kits – The tooling in these kits can be exchanged or returned for credit at any time in the future as long as the returned item is like new.

The Basic Kit Includes: Tool post W, TF-625, Cutoff 11/16 with inserts, MultiBar starter kit, Set of 8 bushings, (2) Omni-101L, Omni-200, Omni-300, Omni-800PB	
Basic kit for 3/8" center height GT-75	\$1,795.00
Basic kit for 1/2" center height GT-75.....	\$1,795.00
The Advanced Kit Includes the basic kit plus: (2) OTC-16 collet holders, OTC-16 wrench, OTC-16 Collet set, OmniTurn tapping head, Offset Post Assembly	
Advanced kit for 3/8" center height GT-75.....	\$2,795.00
Advanced kit for 1/2" center height GT-75	\$2,795.00
Spindle liners: standard round sizes 1/8", 1/4", 3/8", 1/2", 5/8", 3/4". Other sizes available on request, 2 week turnaround.	\$170 ea

Live tooling kits– Requires C axis spindle drive

NSK Astro-E 2530 kit – Electric spindle - 125watt, 30,000 rpm, 110V, 30mm dia spdl (needs NSK 500 M function).....	\$2,795.00
NSK Astro-E 2550 kit – Electric spindle - 125watt, 50,000 rpm, 110V, 30mm dia spdl (needs NSK 250 M function).....	\$3,950.00
NSK Astro-E 3000 kit – Electric spindle - 210watt, 60,000 rpm, 110V, 30mm dia spdl (needs NSK 500 M function).....	\$3,698.00
OmniTurn Live Tool Kits starting at	\$2,250.00

Collet closer options

Pneumatic piston controls for manual lever	\$875.00
Pneumatic draw tube – Dunham – 3000 rpm max	\$1,750.00
Pneumatic draw tube – Dunham – 4500 rpm max, air/oil lubricated	\$2,600.00

Bar feeds –

Magazine bar feeds – we offer many types, please contact us for an appropriate quotation	POR
Hydrodynamic single bar feed, 1" capacity, 6' or 12'. FOB Detroit MI plus installation if required.....	POR

OmniZip Rear End Loader and Compact Bar feeder - Made in the U.S.A.

Compact 5' long, quick change-overs, high volume - holds (40) 1/2" diameter bars, length 1" to 26".....	\$8,500.00
---	------------

Automatic loaders

Standard track loader – infeed rail, pneumatic feed, slide nest, collet spring ejector –	Starting at \$4,000.00
Rotary Dial loader –	Starting at \$12,500.00
Many other loader styles are available on request, visit www.omni-turn.com and look for AUTOMATION	POR
Hydrodynamic single bar feed, 1" capacity, 6' or 12'. FOB Detroit MI plus installation if required.....	POR

Work holding – Requires 4° cam nose or threaded spindle

3" 2 jaw chuck, no thru hole, .25" diameter stroke	\$2,395.00
Soft jaws: 1" Steel \$55/set, 1.3" steel \$65/set, 1.3" steel pie jaw set \$125	
4" 3 jaw chuck, no thru hole, .38" diameter stroke	\$2,795.00
Steel soft jaws \$160/set	
4.5" 3 jaw chuck, 1" thru hole, .19" diameter stroke	\$3,295.00
Steel jaws \$70 per set, Aluminum jaws \$65 per set	
4" Northfield air chuck with .06" stroke	\$2,795.00

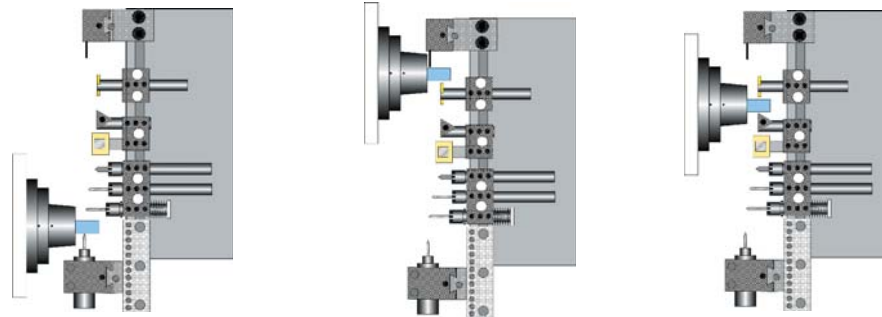
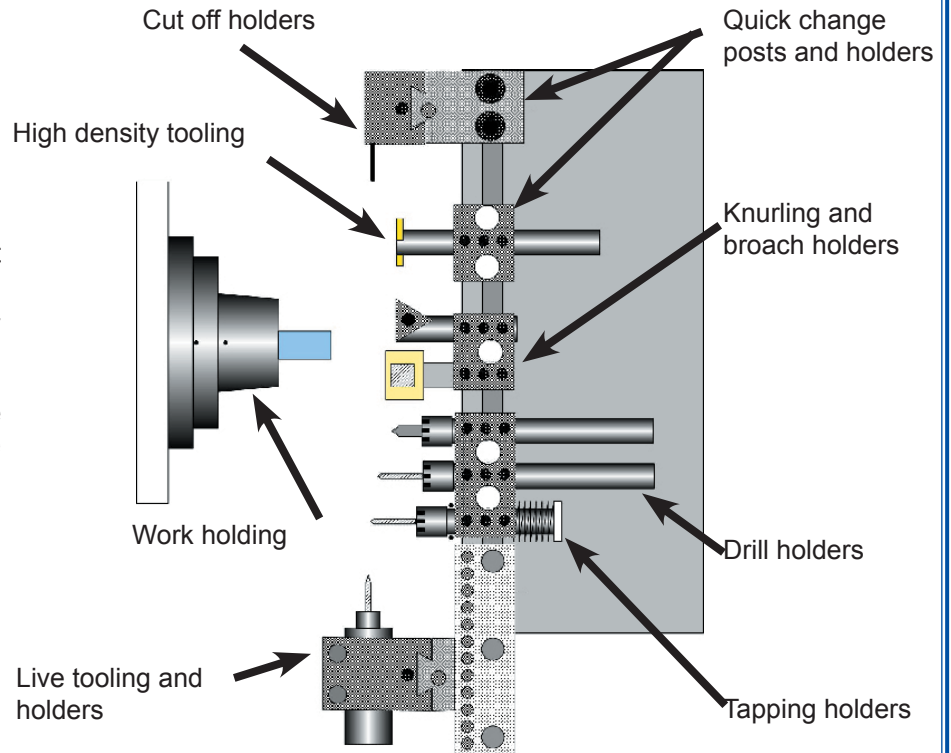
OmniTurn

Your single source for gang tool machines, tooling, automation, and assistance

Tooling layout assistance

- ◆ Part and tooling interference
- ◆ Tooling overhang and rigidity
- ◆ Tooling density
- ◆ Tooling sequence and travels

OmniTurn can help you get the most out of your machine and job. We can help you get a layout designed in advance so you are not having to spend time rearranging and reordering tooling until it all fits. If you send us a print we can return a tooling layout like the one to the right.



Tooling Layout Assistance is available - in most cases for FREE!

