

OmniTurn Price List

*See how to save \$2,000

OmniTurn GT-75 and GT-Jr



Attachments for Hardinge Lathes



(631) 694-9400 - (541) 332-7004

www.omni-turn.com www.omniturn.com

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OmniTurn GT Series of Machines 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.....	\$34,995*
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.....	\$37,995*
OmniTurn GT-Jr FOB Port Orford, OR.....	\$33,995*
Includes: Std 5HP spindle drive, 4000 rpm max, flood coolant system, Pneumatic collet closer, 12" x 9" travel, 5C spindle taper, 32M hard disk, manual and documentation, 1 or 3 phase, 208-240V	
OmniTurn GT-JR With C axis spindle drive, 208-240V 3 phase.....	\$36,995*

DEDUCT \$2,000 FROM PRICE WHEN PAID IN FULL AT TIME OF ORDER

OMNITURN GT SPECIFICATIONS:

Travel in X: 12"
Travel in Y: 9"
Tooling Height: 1/2"
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 and GT JR 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.....	\$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
1/4hp coolant pump and mounting hardware.....	\$495.00
Pneumatic parts catcher – GT-75 only.....	\$795.00
Divert shoot and basket.....	\$795.00
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/O..... Tooling 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 or GT-Jr.....	\$1,795.00
Basic kit for 1/2" center height GT-75 or GT-Jr.....	\$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 or GT-Jr.....	\$2,795.00
Advanced kit for 1/2" center height GT-75 or GT-Jr.....	\$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.....	\$150 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).....	\$2,195.00
NSK Astro-E 2550 kit – Electric spindle - 125watt, 50,000 rpm, 110V, 30mm dia spdl (needs NSK 250 M function).....	\$3,025.00
NSK Astro-E 3000 kit – Electric spindle - 210watt, 60,000 rpm, 110V, 30mm dia spdl (needs NSK 500 M function).....	\$3,895.00
OmniTurn Live Tool Kits starting at.....	\$2,250.00

Bar feeds – requires lag bolt kit

TripleAir pneumatic single bar feed, end of bar switch included, Bar hooks, rotating cone pusher, quick connect interface for end of bar switch. FOB Oregon	
Choice of 1" x 12', 1" x 6', 5/8" x 12', 5/8" x 12' specify at time of order.....	\$3,500.00
TripleAir tube and pusher only, for use with existing stands and supports	
6' x 5/8" bar tube and pusher only.....	\$600.00
12' x 5/8" bar tube and pusher only.....	\$670.00
6' x 1-1/16" bar tube and pusher only.....	\$640.00
12' x 1-1/16" bar tube and pusher only.....	\$730.00
Magazine bar feeds – we offer many types, please contact us for an appropriate quotation.....	POR
OmniFast Zip.....	\$8,600.00
OmniZip large capacity hopper feeder for OmniZip - 200# capacity..... Optional.....	\$2,600.00

Work holding – Requires 4° cam nose or threaded spindle

3" 2 jaw chuck, no thru hole, .25" diameter stroke.....	\$2,295.00
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.....	\$2,495.00
Steel soft jaws \$160/set	
4.5" 3 jaw chuck, 1" thru hole, .19" diameter stroke.....	\$3,195.00
Steel jaws \$70 per set, Aluminum jaws \$65 per set	
4" Northfield air chuck with .06" stroke.....	\$2,250.00

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
OmniFast Zip.....	\$8,600.00
Bar pusher part length qualifier.....	\$1,500.00
OmniFast Zip 2.0, rear end fastener loader, down to 4 second load / unload chip to chip time.....	\$8,600.00
Many other loader styles are available on request, visit www.omni-turn.com and look for AUTOMATION.....	POR

OmniTurn Attachments

Attachment kits - includes: 2 axis slide with 12"x9" travel, 1/2" center height, OmniTurn G4 control, Spindle encoders, Mounting hardware, 5 hp spindle drive (Includes cabinet with 5hp inverter, 200V to 245V, 1 or 3 phase, coolant pump M function (M08/M09), Spare M function relay (M25/M26), Fused disconnect, Operator station, Documentation), Documentation – 1 year warranty

Attachment for Hardinge HC – Includes new 5hp motor	\$21,450
Attachment for Hardinge AHC/HNC – Includes new 5hp motor	\$21,950
Attachment for Hardinge DSM/DV59 – Includes new 5hp motor	\$22,595
Attachment for Hardinge CHNC I and II – Includes new 5hp motor	\$22,995

Spindle drive options - DSMA, AHC, CHNC I and II

C axis spindle drive – upgrade for kits with standard 5HP drive packages - includes controls, motor, belting, pulleys, modification to OEM spindle drive pulley, (note: the original spindle pulley must be sent to NY office for modification before the installation) 208 - 240V 3 phase.....\$5,000.00

Short cycle option for C axis drive.....500.00

Installation cost: (if required)

\$950 per day plus travel and expenses. Typical 3 days
 Training and turn key assistance is also available at the same rate. Please contact your salesman or the factory for an exact quote.

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

Slide options

3/8" center height– Recommended for those who want to use existing tooling from HC's and AHC's.....	\$175.00
5/8" center height	\$395.00

Spindle drive options

C axis spindle drive phase converter, changes single phase electric power to 3 phase.....	\$950.00
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Additional options

Additional I/O – for use with automation and magazine bar feeds - 16 IN / 14 OUT.....	\$1330.00
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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
NSK 3000 interface capable of running four spindles	\$495.00

Live tooling kits– Requires C axis spindle drive

NSK Astro-E 500Z kit – Electric spindle - 210watt, 30,000 rpm, 110V, 30mm dia spdl (needs NSK 500 M function).....	\$2,193.00
NSK Astro-E 2550 kit – Electric spindle - 210watt, 30,000 rpm, 110V, 30mm dia spdl (needs NSK 500 M function).....	\$3,025.00
NSK Astro-E 250 kit – Electric spindle - 125watt, 25,000 rpm, 110V, 30mm dia spdl (needs NSK 250 M function).....	\$3,350.00
OmniTurn live tool kits starting at.....	\$2,250.00

Bar feeds

TripleAir pneumatic bar feed, end of bar switch inc., FOB Oregon - Choice of 1"x12', 1"x6', 5/8"x12', 5/8"x12' specify at time of order	\$3,500.00
Hydrodynamic single bar feed, 1" capacity, 6' or 12'. FOB Detroit MI plus installation if required.....	P.O.R.

Work holding –

3" 2 jaw chuck, no thru hole, .25" diameter stroke	\$2,295.00
4" 3 jaw chuck, no thru hole, .38" diameter stroke	\$2,600.00
4.5" 3 jaw chuck, 1" thru hole, .19" diameter stroke.....	\$3,195.00