

OmniTurn

Fast... Precise... Affordable...

GT-75 Turning Center



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- ***Gang-Tooled slant bed***
 - ***5hp spindle w/5C nose***
 - ***Air-actuated collet closer***
 - ***Flood-coolant system***
 - ***Totally enclosed***
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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)

4000rpm

Barfeed ready.

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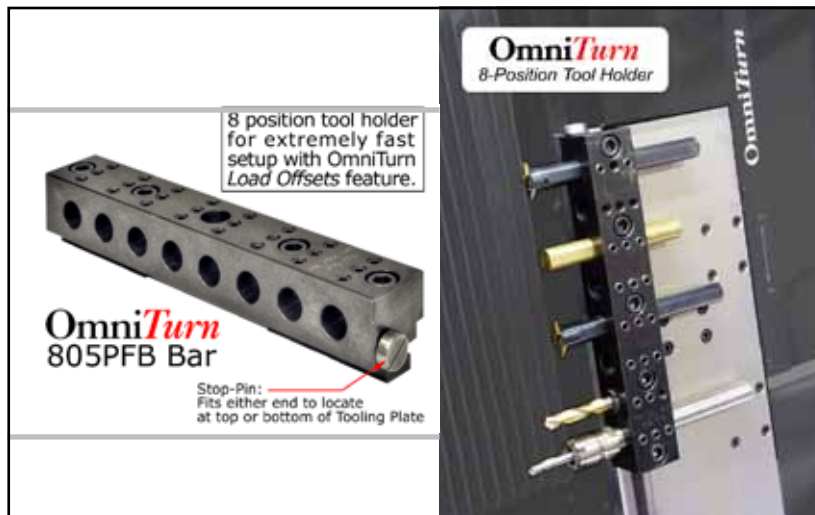
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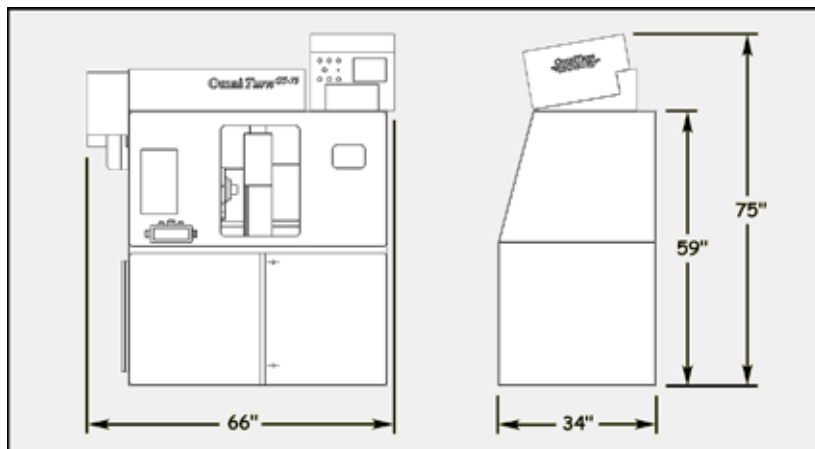
Gang-Tooling is Fast!

Gang-tooling is fast! Tool to tool in less than 1/2 second.

Gang-tooling is fast for repeat setups! OmniTurn's "Save Offsets" feature lets you setup a complex repeat job in just minutes if you've saved your tooling in this 805PFB holder. Just re-locate the holder on the tooling plate and load your part program with offsets and you're ready to run parts in minutes. No need to re-set all your tooling. The locating pin insures that the holder is back in place, and the original offsets load into the OmniTurn with the program.



The OmniTurn 805PFB (pictured above) is an 8-station tool-bar that accepts 5/8" tooling on 1.1" centers. Stop-pin fits either end so bar can be located on either side of OmniTurn tooling plate. OmniTurn "Save Offsets" feature instantly retrieves offsets when program is loaded, so repeat jobs can be re-set in minutes. Shown at right on OmniTurn GT table note that steep 75° angle allows chips to fall away quickly into chip-pan.



OmniTurn GT-75 Dimensions

Height	75"
Width	66"
Depth	34"

Specifications:

Capacities

Workholding (opt.)	4" Chuck Max
Max. Cutting Diameter	6"
Max. Bar Diameter	1.06"
Tooling Plate	6" x 14" with 3/8" T-Slot

Spindle

Max Speed	4,000 rpm
Max Rating	5 hp
Spindle Nose5C w/4° camlock
Drawtube Bore	1.125"

Construction

Ways	Precision Linear Guides
Ball Screws	Precision-ground, Zero Backlash
Base Billet	MJ7 Composite Casting
Headstock	Mehanite
Coolant Pump	1/8hp 5gpm (1/4hp 20gpm opt.)

Travels & Feedrates

X-Axis	12"
Z-Axis	9"
Resolution of Slide Travel	0.00005"
Repeatability of Slide Travel	0.0001"
Threading	240tpi to unlimited
Axes Thrust500lbs cont. 750lbs int.
Max Rapids	300ipm
Max Cutting	300ipm

General

Machine Weight	1,650lbs
Air Required3 scfm @ 70 psi
Electrical	208 - 240 VAC, 1 or 3 phase @ 20A
Floor Space	34" x 66" (75" high)

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CAPACITIES	English	Metric
Chuck Size (max)	4.0 in	102 mm
Max Cutting Diameter	6.0 in	150 mm
Bar Capacity	1.06 in	26 mm
Tooling Plate with 3/8" T-slot	6 x 14 in	150 x 355 mm
Tooling	Gang-tooling, 1/2" centerline	

SPINDLE	English	Metric
Max Speed	4000 rpm	
Spindle Nose	5C with 4° CamLock	
Drive System	Direct Speed, Belt Drive	
Max Rating	5.0 hp	3.7 kW
Drawtube Bore ø	1.25 in	31.8 mm

CONSTRUCTION	English	Metric
Ways	Precision Linear Guides	
Ball Screws	Precision-ground, Zero Backlash	
Base Billet	MJ7 Composite Casting	
Headstock	Mehanite	
Coolant Pump	1/8hp 5gpm (1/4hp 20gpm opt.)	
Coolant Tank	12 gal	45 liters

TRAVELS & FEEDRATES	English	Metric
X Axis	12.0 in	305 mm
Z Axis	9.0 in	228 mm
Max Thrust X & Z	750 lbf	3336 N
Resolution	0.00005 in	1.3 µ
Repeatability	0.0001 in	2.5 µ
Threading	240tpi to unlimited	0.1mm to unlimited
Max Rapid	300 ipm	7.6 m/min
Max Cutting	300 ipm	7.6 m/min

General	English	Metric
Air Required	3 scfm @ 70 psi	85 L/min @ 4.8 bar
Input AC Voltage	208-240 VAC, 20 A	
Floor Space	66 x 34 in	168 x 86 cm
Weight	1655 lb	750 kg
Shipping Pallet	72 x 48 x 72 in	1.83 x 1.2 x 1.83 m