



MultiTurn  
Large Capacity  
CNC Combination Lathes



Advanced Turning Technology

## MultiTurn for large capacity turning

The highly versatile flat bed design handles a wide range of turning applications: long shafts, bar stock, castings and with the gap removed, large diameter face plate work. Engineered for precision and maximum CNC performance with features found only on high-end CNC lathes.

The Clausing MultiTurn is equipped with the latest generation **Fanuc Oi-T/w Alpha System** built into the control package with all digital control and drives or the **FAGOR 8055i T** CNC Control with Icon Key based conversational programming or Conventional ISO G-code programming. A wide choice of tooling options are available to further enhance the versatility of the machine. Quick-change tool posts and automatic indexing turrets are available to maximize output in most any situation. The heavy-duty cast iron machine is ideal for: CNC users looking for increased versatility at a very low capital outlay, first time CNC buyers looking for programming simplicity, job shops looking for increased output, low to medium production runs and education and training facilities needing a real lathe with step-by-step simplicity

The perfect machine for large capacity CNC turning applications...



Shown with Optional Chip Conveyor

- Headstock spindle, shafts and gears are made of high grade alloy steel, hardened and precision ground for higher speed operation with less heat and noise generation
- Superior headstock lubrication with an external electric oil pump ensures a long life of spindle bearings and gearing
- Anti-friction PTFE material between saddle and bed greatly reduces friction and has superior dampening properties to reduce chatter during machining cycles. The low friction PTFE minimizes bed wear and extends the life of the machine
- Automatic oil system, with low oil alarm, to maintain proper lubrication of slide ways and ballscrews
- Heavy-duty cast iron bed ways are induction hardened over 50 Rc to a minimum depth of 0.060"
- Digital AC servo drive system provides powerful and accurate axes positioning
- Fully enclosed work area with interlocked doors for clean and safe work areas
- Heavily ribbed construction ensures very high torsional stiffness, eliminating bed deflection during heavy roughing cuts

### Features for CNC5000XS/MR & CNC6000XS/MR

- Extra wide 18.9" bed maximizes support for the saddle and cross slide assembly for smooth machining of even large components
- Variable AC spindle drive provides 20Hp (Continuous) and 24Hp (30 Min Rated) for exceptional machining power
- Three-range headstock allows full horsepower to be reached at lower rpms allowing more efficient machining of large components or of harder materials such as stainless and tool steels
- Optional eight station automatic indexing turret with VDI 40 (optional 50) disc provides flexibility with quick changeover and set-up. A wide range of turning and boring toolholders are available to meet the requirements of most any job
- Optional quick-change tool post allows an unlimited number of tools to be used and eliminates interference problems with idle tool stations. The compact nature of the quick-change tool post also increases the maximum turning capacity

### Features for CNC7000XS/MR & CNC8000XS/MR

- Extra wide 21.6" bed maximizes support for the saddle and cross slide assembly for smooth machining of even large components
- Variable AC spindle drive provides 25Hp (Continuous) and 29.5Hp (30 Min Rated) for exceptional machining power
- Four-range automatic headstock allows full horsepower to be reached at lower rpms allowing more efficient machining of large components or of harder materials such as stainless and tool steels
- Electric Automatic 4-Way Toolpost provides quick set up and changeover of cutting tools
- Optional eight station automatic indexing turret with VDI 50 disc provides flexibility with quick changeover and set-up. A wide range of turning and boring toolholders are available to meet the requirements of most any job

## Machine Bed

Clausing MultiTurn's cutting-edge lathe design and construction quality begins with the unique bed design. MultiTurn beds use high quality cast iron, with a unique 'Warren' type design for maximum strength and optimum chip clearance.

In addition, the MultiTurn lathe bed is mounted on cast-iron bases, to provide a solid foundation. Slideways are hardened and specially ground to ensure high-precision, parallel operation of the lathe at all times.

## Operators Console

The operator's console is located and designed for operator convenience and efficiency with the cutting tool. The hand wheels are installed at the ideal ergonomic height for ease of use and have the MultiTurn popular "one-click-one-micron" rotational feel sensitivity.

The complete operator's control panel moves on its own independent carriage which allows it to be moved quickly and effortlessly to the side during loading and setting up.



Shown with Optional  
8 Station Turret and  
Optional Chip Conveyor

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## Drive Train

Into the design and development of all MultiTurn lathes goes the technical expertise of specialists from Clausing's partner companies. Their combined research programs ensure that all new MultiTurn lathes feature the most advanced developments in spindle bearing technology and chuck design. This provides the highest possible spindle speeds and optimum chuck performance for high accuracy turning with maximum load carrying capacity.

## Headstock

Crucial to turning precision and quality is the design and capability of the headstock. These lathes have top rated spindle motors for extra power and more torque in all speed ranges. This means that 'bottom end' torque has been increased by over 75% giving excellent, extremely accurate metal-cutting performance at lower speeds. All Clausing MultiTurn lathes are equipped with three range headstocks enabling the correct range to be automatically selected from the lathe's control system.

# MultiTurn XS Series



## Fanuc Oi T Control/w Alpha Control System

### Clousing/MultiTurn XS Series:

The XS series features the Fanuc Oi-T control with Colchester/Harrison enhanced 'Manual Guide *i*' assisted programming allows the operator to generate part programs quickly and efficiently through the use of easy-to-understand conversational style cycle prompts. The Fanuc Oi-T control package comes with an all digital control and drives offering exceptional value and reliability.

The Fanuc Oi-T is one of the most user-friendly controls in the industry today and is loaded with many standard features to increase your productivity...

- Multi-repetitive Cycles G70-G76 for automatic finishing, roughing, drilling, threading and grooving cycles
- Toolpath Graphics for verification of part profile
- 10.4" Color LCD Display
- Inch/metric data input
- Absolute/incremental programming in the same block
- Thread cutting leads range from 0.00001" to 1.0"
- Threading retract
- Variable lead threading
- Multiple and continuous threading
- Rigid tapping
- 2 axes linear and circular interpolation
- Constant surface speed/direct rpm programming
- Menu programming format with operator prompts
- Sequence number search
- Sequence number comparison and stop
- 128K part program memory
- Background editing
- Extended part program edit
- 64 sets of tool offsets
- Optional stop/block delete
- Run hour part counter
- Tool nose radius compensation
- Tool geometry/wear offsets
- Tool life management
- Work coordinate system G52-G59
- Automatic reference zero return G28
- Reference position return check G27
- Spindle orientation
- Machine alarm diagnostic
- Absolute encoders
- Manual pulse generator
- RS 232 interface port
- Mirror image
- Turret crash protection
- Dynamic graphic display
- Pattern data input
- Manual intervention and return
- Chuck/tailstock barrier
- Latest Fanuc Beta *i* series spindle and Beta *i* axis motor

## Manual Guide *i* for XS-Series

### CNC Turning

The real strength of Manual Guide *i* is the CNC Graphical User Interface. While working in Manual Guide *i*, the Fanuc control system is creating a CNC program in the background. The conversion from conversational mode to CNC mode is instant. The programmer can work in either CNC or conversational mode or even both at the same time. Furthermore, industry standard CNC programs can be loaded into and out of the control at any time.

### Simulation and Animation

Manual Guide *i* has a more powerful graphics package than many commercial CAD/CAM systems. After a program has been created, a simulated component can be viewed in any direction, or as a 3D model that can be cut, sectioned or magnified to see detail.

This simulated component can then be animated to show the cutting process, toolpath, metal removal and the finished component checked for accuracy.

# Alpha System XS Series

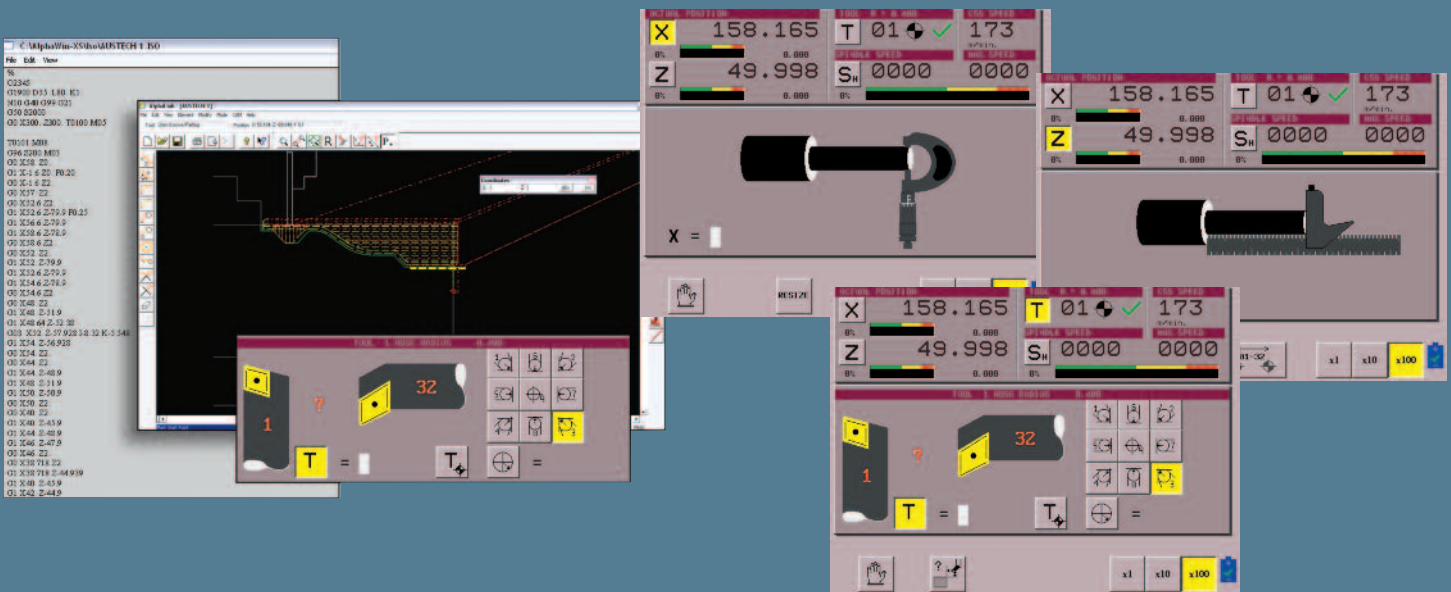
Unique control software developed by Colchester/Harrison to enable you to double, triple or even quadruple your productivity compared with other turning methods. The reason our Alpha System is so simple, practical and shop floor friendly is that our engineers are lathe specialists.

The Alpha System uses easily recognizable screen graphics along with simple question and answer prompts to guide you. It is also the reason that the Alpha System uses a touch screen, so you can work directly on screen rather than hunt for the right button to press.

## Manual Turning

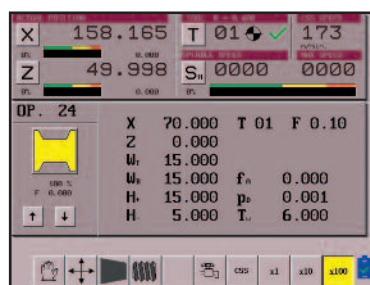
Turn the key and you are turning manually. It's as simple as that! The manual screen display shows X and Z positions just like a DRO plus spindle speed, tool number and feed rate.

**Even if you haven't used a lathe since your schooldays you could walk up to a MultiTurn now and cut metal.**



## Tool Setting

On many lathes tool setting can be a difficult and tedious process. No lathe control has a simpler tool setting procedure than the Alpha. Just follow the instructions on three screens and the job is done, with the machine automatically calculating offsets and workshifts for you. (These offsets will carry over to the manual guide *i* side).



## Semi-Automatic Turning

With the Colchester-Harrison Alpha System, a wealth of semi-automatic turning operations can be performed. These include parallel turning to stop positions, chamfers and radii, tapers, threads, grooves, box cycles and even contour shapes. These can be linked together to produce even the most complex of components quickly and efficiently.

What's more, the easy to understand shop floor language coupled with touch screen simplicity means that an operator can learn to machine parts quickly.

**Most operators will learn to use the Alpha System in less than half a day!**

One of the advantages of the Alpha System is that you are always in control of the machine and you can manually override machining at any time to gain confidence or to hit the optimum tool performance.

# MultiTurn MR Series



## Fagor 8055i T Control

### Clamping/MultiTurn MR Series:

The FAGOR 8055i T CNC Control is a user-friendly control offering both Icon Key based conversational programming or Conventional ISO G-code programming. The extensive use of graphics at the display means that even complex machining tasks are accomplished and set-up time is minimized for both experienced and beginner operators.

Fagor 8055i T user friendly conversational CNC controls offer powerful and versatile Control features

- Conversational Programming
- Direct Dimension Programming
- Multi Repetitive Cycles for automatic finishing, roughing, drilling, threading and grooving cycles
- Toolpath graphics
- 10.4" Color LCD Display
- Programmable increments: 0.0001" min., 999.9999" max.
- Thread cutting leads: 0.00001" min., 1.0" max.
- Thread repair cycle
- Multiple part program storage
- 4mb Memory
- Constant Surface Speed/Direct rpm programming
- Menu programming format with operator prompts
- Two axes linear and circular interpolation
- Tool inspection
- Inch/metric data input
- Rigid Tapping
- Solid Graphics
- Text Search
- Full Alpha/Numeric Keyboard
- Background Editing
- Decimal Point Programming
- Optional Stop and Block Skip

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## Fagor 8055i T Control for MR-Series

Fagor user-friendly conversational CNC controls offer powerful and versatile programming features that minimizes set-up time for both experienced and beginner operators. The extensive use of graphics at the control panel means that even complex machining tasks are easily dealt with. Only the minimum amount of data is required. Fagor controls permit editing a program while executing another one. They have a profile editor with graphic support to draw contours by entering known measurements right from the blueprint. Constant monitoring of position, velocity, accelerations and potential interference prevents undesired machining and help achieve unmatched part-finish and maximum performance of the machine. The tool inspection feature makes the operator's job easier by allowing him to interrupt the program, check the tool condition, replace it if necessary, reposition the axes and then resume the execution of the program.

# MultiTurn Machine Specifications

Model	CNC5000XS/MR	CNC6000XS/MR	CNC7000XS/MR	CNC8000/XS/MR
<b>Capacity</b>				
Swing over bed	26" (660mm)	30" (760mm)	32" (800mm)	40" (1000mm)
Swing over cross slide	18.1" (460mm)	22" (560mm)	20" (510mm)	28" (710mm)
Swing in gap	37.8" (960mm)	41.7" (1060mm)	43.3" (1010mm)	51.18" (1300mm)
Gap width in front of faceplate	11.8" (300mm)	11.8" (300mm)	13.8" (300mm)	13.8" (300mm)
Spindle center height from floor	46.65" (1185mm)	48.66" (1236mm)	52.3" (1328mm)	56.29" (1427mm)
Distance Between Centers	60"/80"/120"/160"/200"/240"	60"/80"/120"/160"/200"/240"	50"/80"/120"/160"/200"/240"	50"/80"/120"/160"/200"/240"
<b>Construction</b>				
Width of cross slide	10.2" (259mm)	10.2" (259mm)	11.8" (300mm)	11.8" (300mm)
Type of cross slide ways	Dovetail	Dovetail	Dovetail	Dovetail
Bed width	18.9" (480mm)	18.9" (480mm)	21.6" (550mm)	21.6" (550mm)
Depth of bed	17.5" (444mm)	17.5" (444mm)	18" (400mm)	18" (400mm)
Type of bed ways	V and flat ways	V and flat ways	3 V ways	3 V ways
Coolant tank capacity	25 gallons (95 liters)	25 gallons (95 liters)	25 gallons (95 liters)	25 gallons (95 liters)
<b>Spindle</b>				
Spindle bore	4.13" (105mm)	6" (152mm)	6.1" (155mm)	6.1" (155mm)
Option #1	6" (152mm)	-	10" (250mm)	10" (250mm)
Option #2	-	-	12" (305mm)	12" (305mm)
Option #3	-	-	-	15" (380mm)
Spindle nose	D1-11	A2-11	A2-11	A2-11
Option #1	A2-1	-	A2-15	A2-15
Option #2	-	-	A2-20	A2-20
Option #3	-	-	-	A2-20
Spindle front bearing I.D./O.D.	5.905" (150mm)/8.268" (210mm)	7.87" (200mm)/11.02" (280mm)	7.87" (200mm)/12.2" 310mm)	7.87" (200mm)/12.2" 310mm)
Option #1	7.87" (200mm)/11.02" (280mm)	-	12" (305mm)/16" (915mm)	12" (305mm)/16" (915mm)
Option #2	-	-	14" (355mm)/17.5" 445mm)	14" (355mm)/17.5" 445mm)
Option #3	-	-	-	17" (432mm)/22.5" 572mm)
Spindle taper	8 MT	7 MT	7 MT 6" bore	7 MT 6" bore
Speed ranges automatically selected	3	3	3	3
Spindle speed - low range	26-224 rpm	10-150 rpm	9-170 rpm	9-170 rpm
Spindle speed - medium range	225-670 rpm	151-490 rpm	171-470 rpm	171-470 rpm
Spindle speed - high range	670-2000 rpm	491-1400 rpm	471-1400 rpm	471-1400 rpm
Option #1, #2, #3				
Spindle speed - low range	10-150 rpm	-	4-73 rpm	4-73 rpm
Spindle speed - medium range	151-490 rpm	-	74-200 rpm	74-200 rpm
Spindle speed - high range	491-1400	-	201-600 rpm	201-600 rpm
Spindle drive	Variable AC	Variable AC	Variable AC	Variable AC
Spindle motor (Continuous/30 min)	20/24 hp (15/18kW)	20/24 hp (15/18kW)	25/29.5 hp (19/22kW)	25/29.5 hp (19/22kW)
Min. spindle speed for full power std bore	86 rpm	52 rpm	20 rpm	20 rpm
Min. spindle speed for full power bore opt.1-3	52 rpm	-	10 rpm	10 rpm
Power consumption	26 KVA	26 KVA	35 KVA	35 KVA
<b>Axis</b>				
Cross slide travel (X axis)	15" (380mm)	15" (380mm)	21.6" (548mm)	21.6" (548mm)
X-axis rapid traverse	315"/min (8m/min)	315"/min (8m/min)	276"/min (7m/min)	276"/min (7m/min)
X-axis feed rate	236"/min (6m/min)	236"/min (6m/min)	276"/min (7m/min)	276"/min (7m/min)
X-axis thrust (continuous)	1,464 lbs. (664kg)	1,464 lbs. (664kg)	1,464 lbs. (664kg)	1,464 lbs. (664kg)
X-axis ballscrew	32mm x 5p	32mm x 5p	40mm x 5p	40mm x 5p
Saddle Travel Z-Axis: Guarding 60"/50"	57.48"	57.48"	41.5"	41.5"
80"	77.15"	77.15"	79.5"	79.5"
120"	117"	117"	119.5"	119.5"
160"	157"	157"	159.5"	159.5"
200"/240"	197"/237"	197"/237"	198"/238"	198"/238"
Z-axis rapid traverse	276"/min (7m/min)	276"/min (7m/min)	236"/min (6m/min)	236"/min (6m/min)
Z-axis feed Rate	236"/min (6m/min)	236"/min (6m/min)	236"/min (6m/min)	236"/min (6m/min)
Z-axis thrust (continuous)	2,196 lbs. (996kg)	2,196 lbs. (996kg)	2,196 lbs. (996kg)	2,196 lbs. (996kg)
Z-axis ballscrew	50mm x 10p	50mm x 10p	63mm x 10p	63mm x 10p
Positioning accuracy	.0007"	.0007"	.0007"	.0007"
Repeatability	.0004"	.0004"	.0004"	.0004"
<b>Tailstock</b>				
Tailstock taper	6MT	6MT	6MT	6MT
Tailstock quill diameter	4.125" (105mm)	4.125" (105mm)	6" (152mm)	6" (152mm)
Tailstock quill travel	12" (305mm)	12" (305mm)	10.8" (275mm)	10.8" (275mm)

Illustrations and specifications are not binding in detail. The designs are subject to modification and improvement without notice.

Workpiece capacity and machinable lengths and diameters will vary and may be reduced below maximum depending on workholding and tooling used.

Not all the features described in the brochure are relevant to all machines in the range.

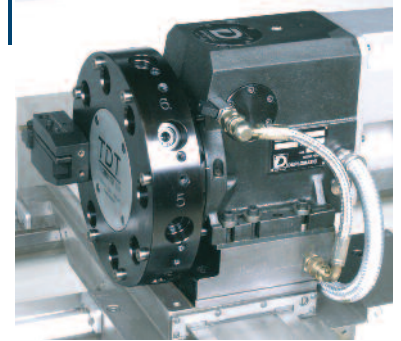
# Standard Equipment

- Automatic lubrication system for slide ways and ballscrews
- 4-Way Electric Automatic Horizontal Turret (CNC7000XS/MR and CNC8000XS/MR only)
- Coolant system
- Fully enclosed, interlocked guarding
- Front removable chip pan
- Work light
- Leveling blocks
- Machine operating manual
- Accuracy chart
- Toolkit

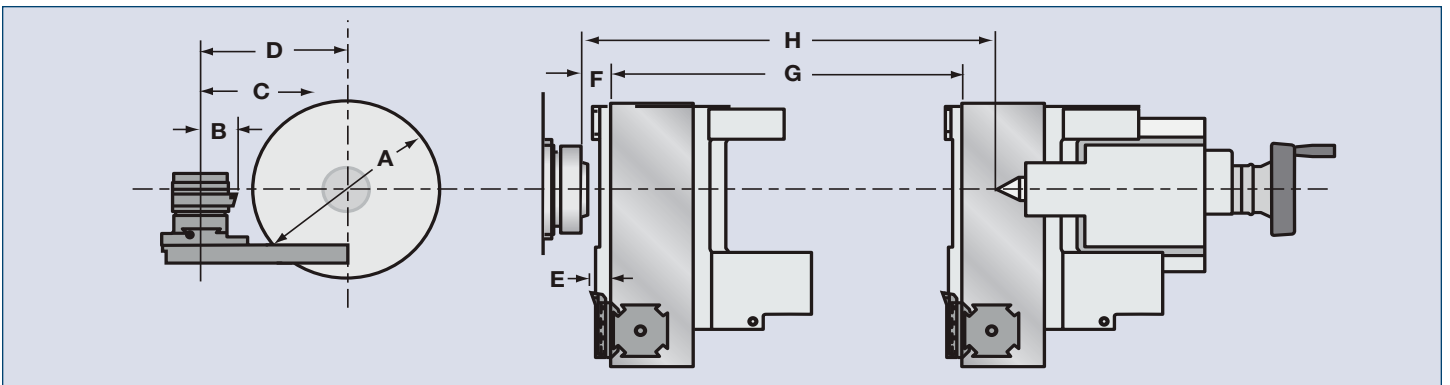
## Increase Your Productivity with the Optional Automatic Turret with .45 sec. Index Time

Multi station VDI auto power turret mounted on the front of the cross slide.

	DISC DIAMETER	TOOLING TYPE	SHANK SIZE	MAX. BORING BAR DIA.	NO. OF STATIONS
<b>CNC5000XS/MR</b>	14.17"	VDI 50	1" (25mm)	1.26" (32mm)	8 or 12
<b>CNC6000XS/MR</b>	14.17"	VDI 50	1" (25mm)	1.26" (32mm)	8 or 12
<b>CNC7000XS/MR</b>	20.7"	VDI 50	1" (25mm)	1.26" (32mm)	8 or 12
<b>CNC8000XS/MR</b>	20.7"	VDI 50	1" (25mm)	1.57" (40mm)	8 or 12



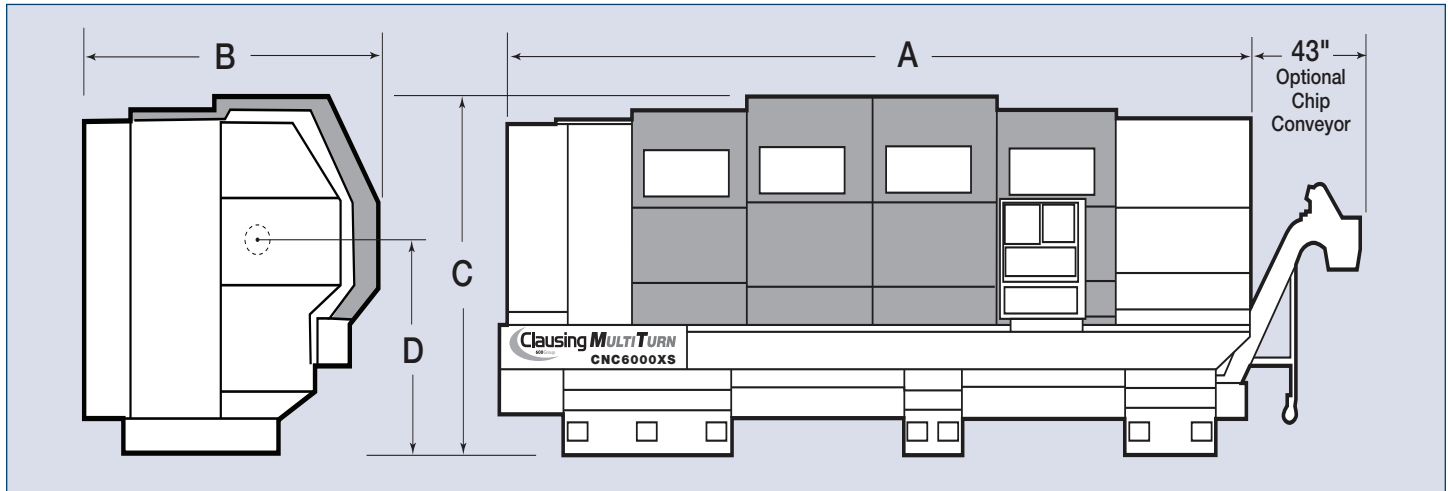
## MultiTurn Series Tooling Dimensions



Model	Center	A	B	C Stroke	D	E	F Min	G Stroke	H
<b>CNC5000XS/MR</b>	60" (1500mm)	18.18" (462mm)	5" (127mm)	15.35" (390mm)	18.62" (473mm)	1.7" (43mm)	5.08" (129mm)	54.76" (1390mm)	60.78" (1544mm)
<b>CNC5000XS/MR</b>	80" (2000mm)	18.18" (462mm)	5" (127mm)	15.35" (390mm)	18.62" (473mm)	1.7" (43mm)	5.08" (129mm)	74.76" (1890mm)	80.78" (2052mm)
<b>CNC5000XS/MR</b>	120" (3000mm)	18.18" (462mm)	5" (127mm)	15.35" (390mm)	18.62" (473mm)	1.7" (43mm)	5.08" (129mm)	114.76" (2915mm)	120.78" (3069mm)
<b>CNC5000XS/MR</b>	160" (4000mm)	18.18" (462mm)	5" (127mm)	15.35" (390mm)	18.62" (473mm)	1.7" (43mm)	5.08" (129mm)	154.76" (3931mm)	160.78" (4084mm)
<b>CNC5000XS/MR</b>	200" (5080mm)	18.18" (462mm)	5" (127mm)	15.35" (390mm)	18.62" (473mm)	1.7" (43mm)	5.08" (129mm)	194.76" (4947mm)	200.78" (5098mm)
<b>CNC5000XS/MR</b>	240" (6096mm)	18.18" (462mm)	5" (127mm)	15.35" (390mm)	18.62" (473mm)	1.7" (43mm)	5.08" (129mm)	234.76" (4947mm)	240.78" (5098mm)
<b>CNC6000XS/MR</b>	60" (1500mm)	20.18" (513mm)	5" (127mm)	15.35" (390mm)	18.62" (473mm)	1.7" (43mm)	5.08" (129mm)	54.76" (1390mm)	60.78" (1544mm)
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<b>CNC7000XS/MR</b>	50" (1500mm)	20.8" (528mm)	5" (127mm)	18.97" (489mm)	20.9" (530mm)	1.8" (46mm)	7.8" (198mm)	41.5" (1054mm)	49.52" (1259mm)
<b>CNC7000XS/MR</b>	80" (2000mm)	20.8" (528mm)	5" (127mm)	18.97" (489mm)	20.9" (530mm)	1.8" (46mm)	7.8" (198mm)	79.5" (2019mm)	79.52" (2020mm)
<b>CNC7000XS/MR</b>	120" (3000mm)	20.8" (528mm)	5" (127mm)	18.97" (489mm)	20.9" (530mm)	1.8" (46mm)	7.8" (198mm)	119.5" (3035mm)	119.52" (3036mm)
<b>CNC7000XS/MR</b>	160" (4000mm)	20.8" (528mm)	5" (127mm)	18.97" (489mm)	20.9" (530mm)	1.8" (46mm)	7.8" (198mm)	159.5" (4051mm)	159.52" (4051mm)
<b>CNC7000XS/MR</b>	200" (5080mm)	20.8" (528mm)	5" (127mm)	18.97" (489mm)	20.9" (530mm)	1.8" (46mm)	7.8" (198mm)	199" (4826mm)	198.9" (5052mm)
<b>CNC7000XS/MR</b>	240" (6096mm)	20.8" (528mm)	5" (127mm)	18.97" (489mm)	20.9" (530mm)	1.8" (46mm)	7.8" (198mm)	239" (5842mm)	238" (6045mm)
<b>CNC8000XS/MR</b>	50" (1500mm)	28.85" (733mm)	5" (127mm)	18.97" (489mm)	24.9" (632mm)	1.8" (46mm)	7.8" (198mm)	41.5" (1054mm)	49.52" (1259mm)
<b>CNC8000XS/MR</b>	80" (2000mm)	28.85" (733mm)	5" (127mm)	18.97" (489mm)	24.9" (632mm)	1.8" (46mm)	7.8" (198mm)	79.5" (2019mm)	79.52" (2020mm)
<b>CNC8000XS/MR</b>	120" (3000mm)	28.85" (733mm)	5" (127mm)	18.97" (489mm)	24.9" (632mm)	1.8" (46mm)	7.8" (198mm)	119.5" (3035mm)	119.52" (3036mm)
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<b>CNC8000XS/MR</b>	200" (5080mm)	28.85" (733mm)	5" (127mm)	18.97" (489mm)	24.9" (632mm)	1.8" (46mm)	7.8" (198mm)	238" (6045mm)	198.9" (5052mm)
<b>CNC8000XS/MR</b>	240" (5080mm)	28.85" (733mm)	5" (127mm)	18.97" (489mm)	24.9" (632mm)	1.8" (46mm)	7.8" (198mm)	239" (5842mm)	238" (6045mm)



# MultiTurn Series Dimension & Weights



Model	Center	A	B	C	D	Net Weight	Shipping Weight
CNC5000/60XS/MR	60" (1500mm)	165" (4200mm)	88" (2235mm)	88" (2235mm)	49.6" (1260mm)	9,500 lbs (4310kg)	10,830 lbs (4912kg)
CNC5000/80XS/MR	80" (2000mm)	185" (4700mm)	88" (2235mm)	88" (2235mm)	49.6" (1260mm)	10,600 lbs (4808kg)	12,160 lbs (5516kg)
CNC5000/120XS/MR	120" (3000mm)	224" (5690mm)	88" (2235mm)	88" (2235mm)	49.6" (1260mm)	13,250 lbs (6010kg)	15,030 lbs (6818kg)
CNC5000/160XS/MR	160" (4000mm)	264" (6705mm)	88" (2235mm)	88" (2235mm)	49.6" (1260mm)	15,900 lbs (7212kg)	18,130 lbs (8224kg)
CNC5000/200XS/MR	200" (5080mm)	304" (7722mm)	92" (2337mm)	88" (2235mm)	49.6" (1260mm)	17,900 lbs (8120kg)	20,200 lbs (9163kg)
CNC5000/240XS/MR	240" (6069mm)	344" (8738mm)	92" (2337mm)	88" (2235mm)	49.6" (1260mm)	19,900 lbs (9027 kg)	22,300 lbs (10116kg)
CNC6000/60XS/MR	60" (1500mm)	165" (4200mm)	88" (2235mm)	88" (2235mm)	51.6" (1310mm)	9,921 lbs (4500kg)	11,270 lbs (5112kg)
CNC6000/80XS/MR	80" (2000mm)	185" (4700mm)	88" (2235mm)	88" (2235mm)	51.6" (1310mm)	11,023 lbs (5000kg)	12,600 lbs (5716kg)
CNC6000/120XS/MR	120" (3000mm)	224" (5690mm)	88" (2235mm)	88" (2235mm)	51.6" (1310mm)	13,669 lbs (6200kg)	15,470 lbs (7017kg)
CNC6000/160XS/MR	160" (4000mm)	264" (6705mm)	88" (2235mm)	88" (2235mm)	51.6" (1310mm)	16,315 lbs (7400kg)	18,570 lbs (8423kg)
CNC6000/200XS/MR	200" (5080mm)	304" (7722mm)	92" (2337mm)	88" (2235mm)	51.6" (1310mm)	18,315 lbs (8308 kg)	20,615 lbs (9351kg)
CNC6000/240XS/MR	240" (6069mm)	344" (8738mm)	92" (2337mm)	88" (2235mm)	51.6" (1310mm)	20,315 lbs (9215 kg)	22,715 lbs (10,304kg)
CNC7000/60XS/MR	50" (1250mm)	145" (3683mm)	80.1" (2035mm)	84.8" (2154mm)	52.3" (1328mm)	16,790 lbs (7616kg)	17,900 lbs (8119kg)
CNC7000/80XS/MR	80" (2000mm)	175" (4445mm)	80.1" (2035mm)	84.8" (2154mm)	52.3" (1328mm)	17,900 lbs (8120kg)	19,000 lbs (8618kg)
CNC7000/120XS/MR	120" (3000mm)	218" (5540mm)	82.7" (2100mm)	84.8" (2154mm)	52.3" (1328mm)	19,890 lbs (9022kg)	21,440 lbs (9725kg)
CNC7000/160XS/MR	160" (4000mm)	246" (6250mm)	82.7" (2100mm)	84.8" (2154mm)	52.3" (1328mm)	21,880 lbs (9925kg)	23,430 lbs (10628kg)
CNC7000/200XS/MR	200" (5080mm)	285" (7240mm)	82.7" (2100mm)	84.8" (2154mm)	52.3" (1328mm)	23,860 lbs (10823kg)	25,640 lbs (11631kg)
CNC7000/240XS/MR	240" (6069mm)	326" (8280mm)	82.7" (2100mm)	84.8" (2154mm)	52.3" (1328mm)	25,850 lbs (11726kg)	27,850 lbs (12633kg)
CNC8000/60XS/MR	50" (1250mm)	145" (3683mm)	80.1" (2035mm)	84.8" (2154mm)	56.29" (1430mm)	17,680 lbs (8020kg)	18,870 lbs (8524 kg)
CNC8000/80XS/MR	80" (2000mm)	175" (4445mm)	80.1" (2035mm)	84.8" (2154mm)	56.29" (1430mm)	18,780 lbs (8519kg)	19,880 lbs (9018kg)
CNC8000/120XS/MR	120" (3000mm)	218" (5540mm)	82.7" (2100mm)	84.8" (2154mm)	56.29" (1430mm)	20,770 lbs (9422kg)	22,320 lbs (10125kg)
CNC8000/160XS/MR	160" (4000mm)	246" (6250mm)	82.7" (2100mm)	84.8" (2154mm)	56.29" (1430mm)	22,760 lbs (10324kg)	24,310 lbs (11027kg)
CNC8000/200XS/MR	200" (5080mm)	285" (7240mm)	82.7" (2100mm)	84.8" (2154mm)	56.29" (1430mm)	24,750 lbs (11227kg)	26,530 lbs (12034kg)
CNC8000/240XS/MR	240" (6069mm)	326" (7240mm)	82.7" (2100mm)	84.8" (2154mm)	56.29" (1430mm)	26,740 lbs (12130kg)	28,740 lbs (13037kg)



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