HURCO®



MACHINING CENTERS TECHNICAL CATALOG / TURNING CENTERS

A CONTROL FOR EVERY GENERATION.

HURCO® PRODUCT LINE-UP

5-AXIS MACHINING CENTERS


VC500i


VCX600i


VM10Ui / VM10UHSi


VMX30Ui


VMX30UHSi

VERTICAL MACHINING CENTERS


HTM30i

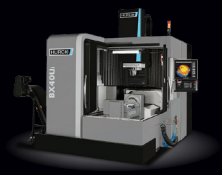

VM5i / VM10i / VM10HSi

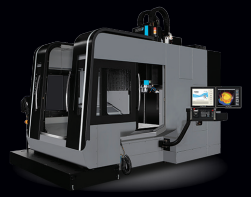

VM20i / VM30i


VMX24i / VMX24Di


VMX30i / VMX30Di / VMX30HSi

DOUBLE COLUMN & HORIZONTAL


BX40Ui


BX40i / BX50i / BX60i


HM1700i / HM1700Ri


HBMX55i / HBMX80i


HBMX95-5i

TURNING CENTERS


HTL8-60i / HTL10-60i / HTL12-40i


TM6i


TM8i / TM10i


TM12i


TM18i

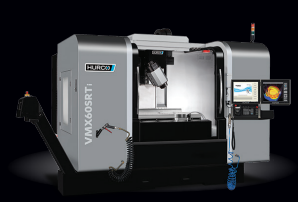
For over 50 years, Hurco has been empowering machinists of every generation with cutting-edge control technology that's easy to learn and easy to use. See which one of our 65+ models of CNC machines is right for you—rigid and reliable CNC machines equipped with the control that makes shops more productive and more profitable.


VMX42Ui / VMX42UHSi


VMX60Ui


VTXUi


VMX42SRTi / VMX42HSRTi


VMX60SRTi

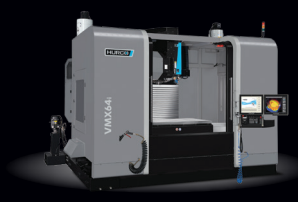

VMX42SWi / VMX60SWi


VMX84SWi

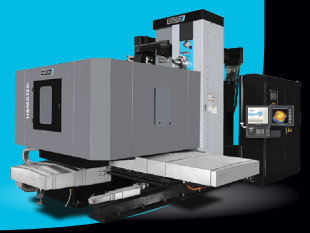

VMX42i / VMX42Di

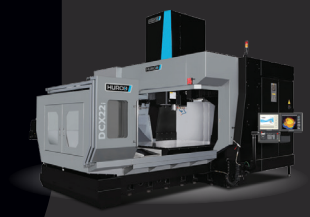

VMX50i / VMX50i-50T


VMX6030i / VMX6030i-50T

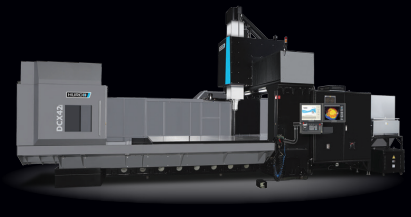

VMX64i / VMX64i-50T

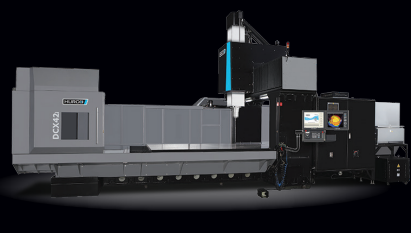

VMX84i / VMX84i-50T


HBMX120i


DCX22i / DCX22i-50T


DCX32-5Si / DCX32-5CSi


DCX32i / DCX3226i


DCX42i

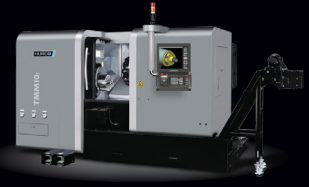

TM18Li / TM18LBBi


TMX8i /TMX10i


TMX8MYi / TMX10MYi

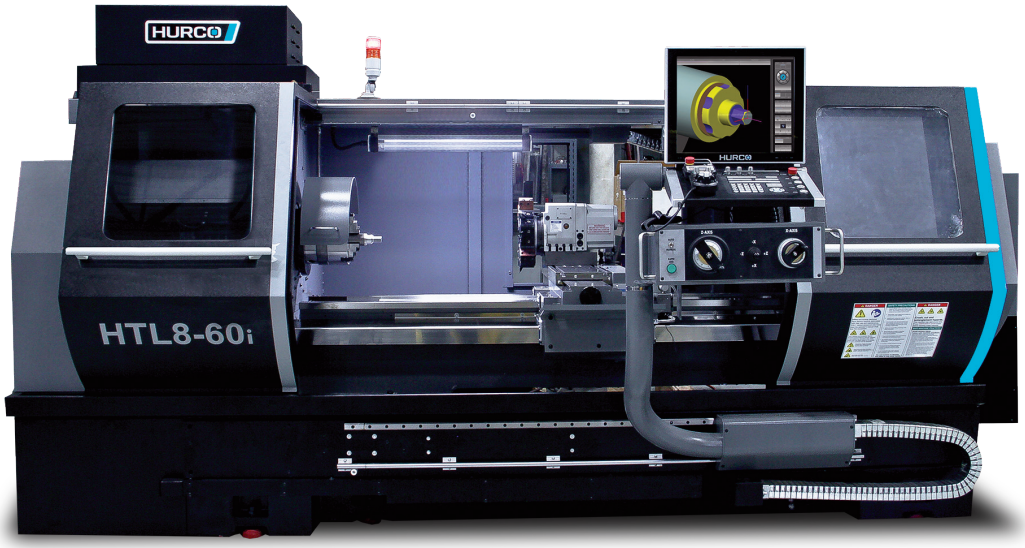

TMX8MYSi / TMX10MYSi


TMM8i


TMM10i

HTL Series

Machines specifically created to withstand the rigors of heavy cuts.



Award winning control.

Not only did the Hurco control win first place for the most beloved control (The CNC Cookbook Gold Award for Customer Satisfaction), we make sure our control is equipped with the power and features you need to get the job done — more features and memory standard than competitive models: 2GB RAM Memory, 64GB Solid State Hard Drive, 2.4 GHz Dual Core Processor.

For more information about the control, go to Page 37

Machine Overview

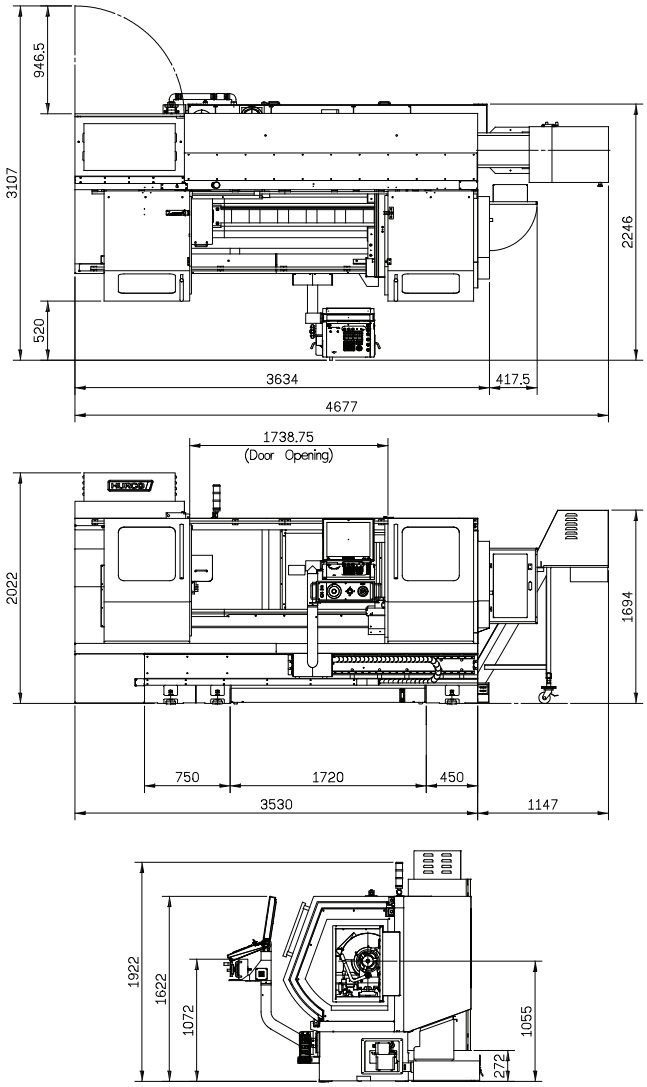
- Open bed design – easy to load/unload parts
- Gap can be removed to accommodate larger parts close to the headstock
- Maintenance-free cartridge spindle with permanently greased bearings
- Solid box way bed construction
- Spindle harmonic control
- Standard tailstock mounted on heavy-duty box ways with live center
- Hand wheels located below the control allow manual operation of machine
- Bi-directional hydraulic 8 station turret decreases tool index time
  - turret can be positioned anywhere along the saddle
  - slotted disc-type holds ¾" (HTL8-60i) and 1" (HTL10-60i and HTL12-40i) tool holders
  - 1-¼" (HTL8-60i) and 1-½" (HTL10-60i and HTL12-40i) boring bar capacities
  - bi-directional operation
- MAX5 control is mounted on a set of linear rails that travel along the front of the machine
- Manual 3 jaw chuck
- Full enclosure with sliding doors
- USB port
- Automatic lubrication system
- Flood coolant
- Automatic central lubrication system
- Designed with both hardened and ground ways
  - X-axis is solid way and Z-axis is box ways
  - Lined X-axis and Z-axis
- Large ball screws minimize friction
- Distance between guide ways promotes rigidity

Machine specifications can be found on Pages 41-43

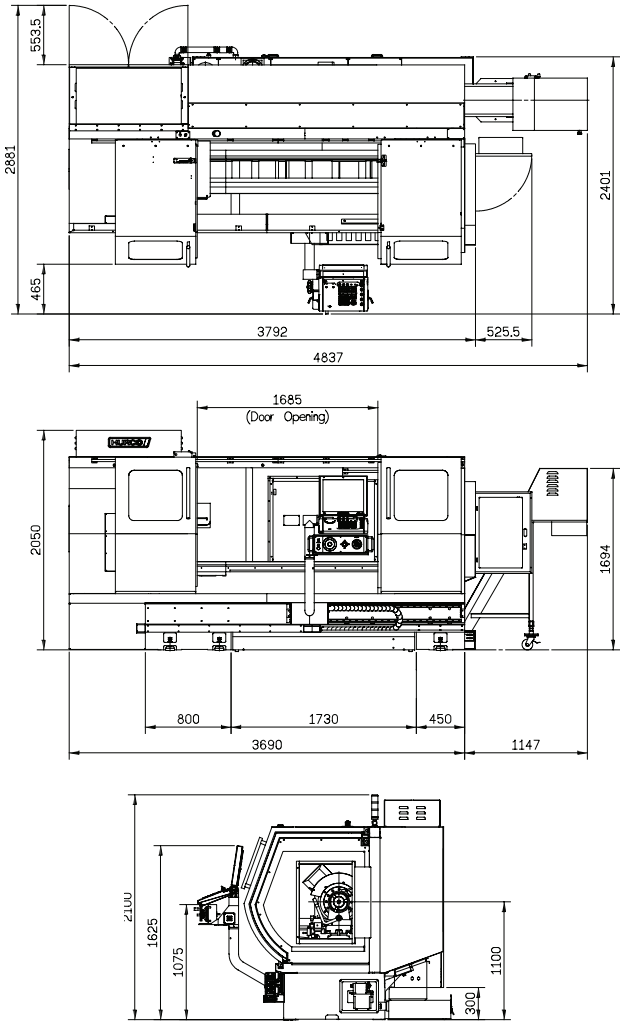
POWER & CAPACITY HTL Series

OPERATING DIMENSIONS

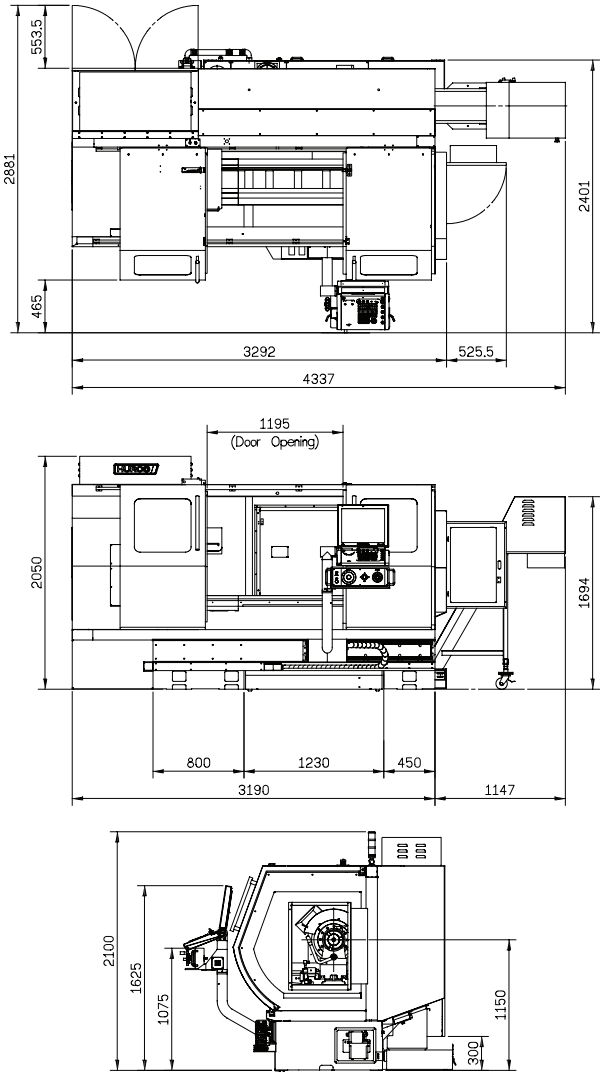
HTL8-60i



HTL10-60i



HTL12-40i



TM6i

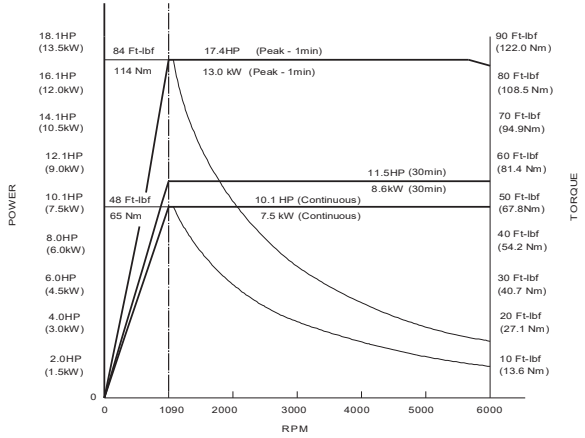
Small footprint with large work envelope.



Machine Overview

- True 45-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Cast iron frame designed with Finite Element Analysis (FEA)
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Bi-directional hydraulic turret decreases tool index time
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Tailstock mounted on heavy-duty box ways with live center
- Large 1.26-inch ball screws X/Z minimize friction
- Distance between guide ways promotes rigidity
  - 6.3 inches X-axis
  - 11.2 inches Z-axis

POWER & TORQUE



Base Speed 1090 RPM, Max. Speed 6000 RPM

Peak - 1 Minute Power Rating/Torque Rating = 17.4HP/83.5Ft-lbs (13.0kW/113Nm)

Award winning control.

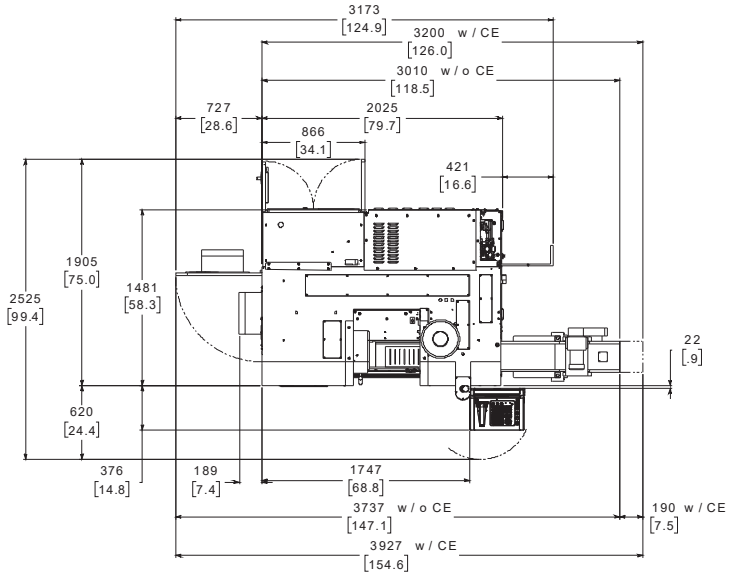
Not only did the Hurco control win first place for the most beloved control (The CNC Cookbook Gold Award for Customer Satisfaction), we make sure our control is equipped with the power and features you need to get the job done — more features and memory standard than competitive models: 2GB RAM Memory, 64GB Solid State Hard Drive, 2.4 GHz Dual Core Processor.

For more information about the control, go to Page 37

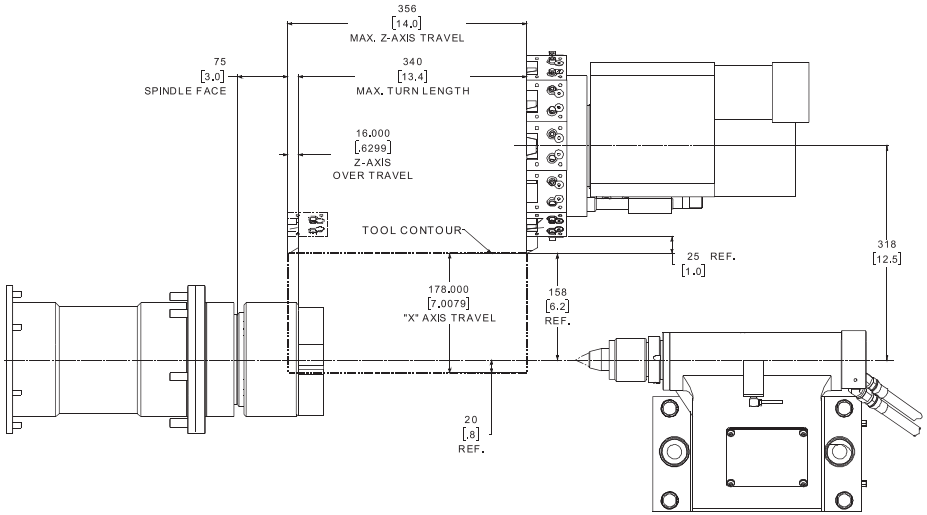
Machine specifications can be found on Pages 41-43

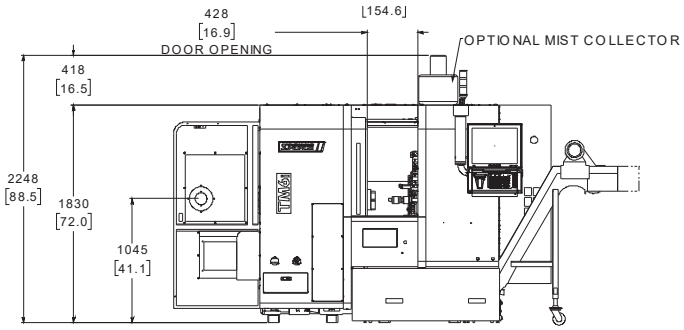
POWER & CAPACITY TM6i

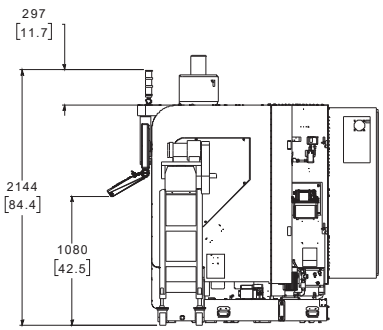
OPERATING DIMENSIONS



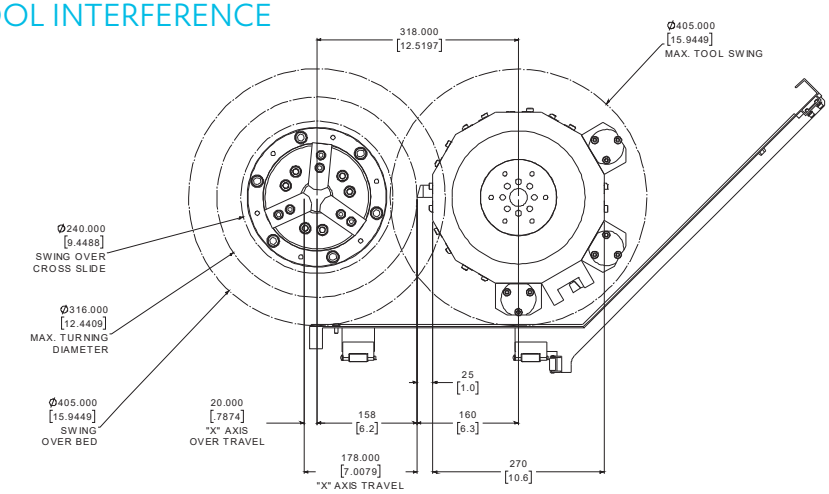
OD TOOL TAILSTOCK INTERFERENCE







TOOL INTERFERENCE



TM8i

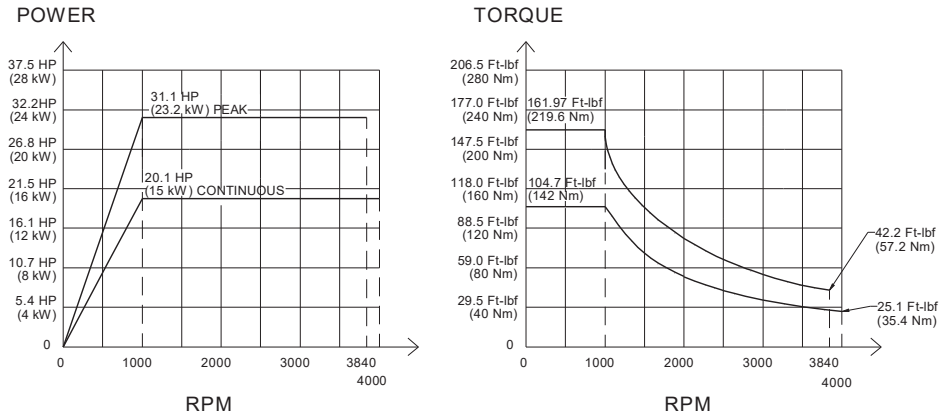
Unmatched versatility in 8-inch chuck slant-bed lathe.



Machine Overview

- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Cast iron frame designed with Finite Element Analysis (FEA)
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Bi-directional hydraulic turret decreases tool index time
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Tailstock mounted on heavy-duty box ways with live center
- Large 1.26-inch ball screws X/Z minimize friction
- Distance between guide ways promotes rigidity
  - 6.5 inches X-axis
  - 11.93 inches Z-axis

POWER & TORQUE



Award winning control.

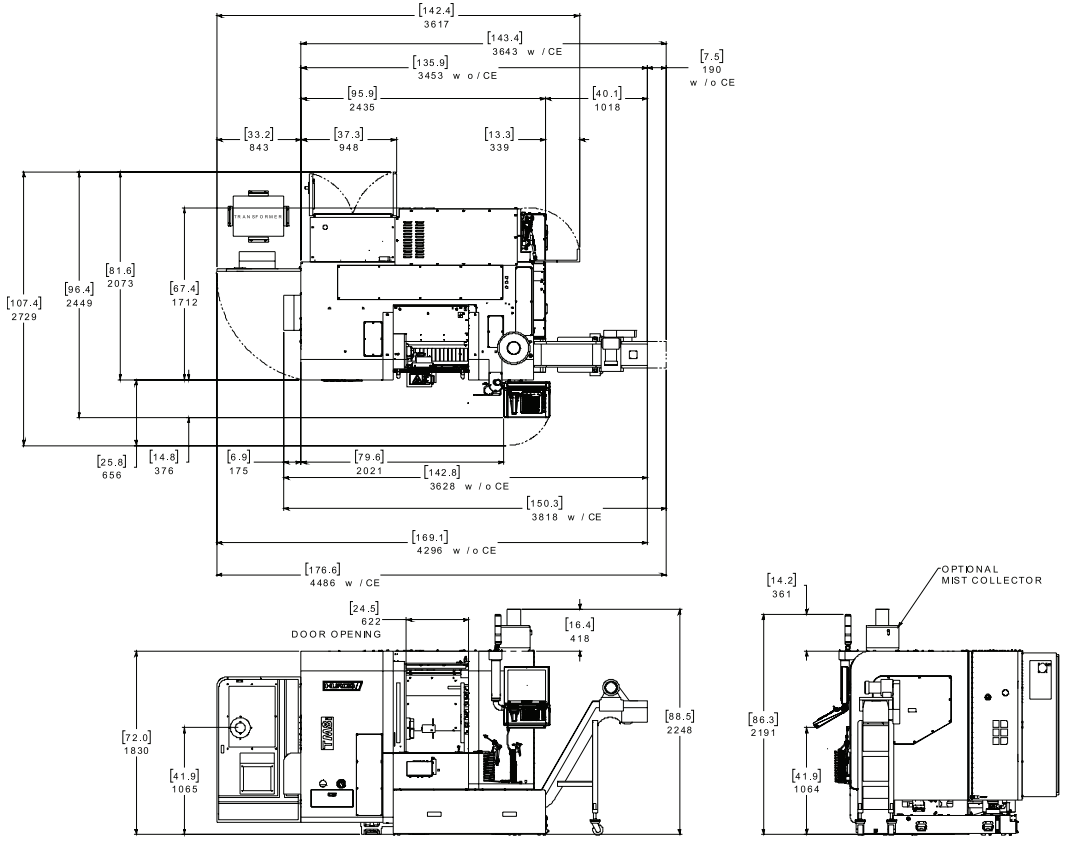
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For more information about the control, go to Page 37

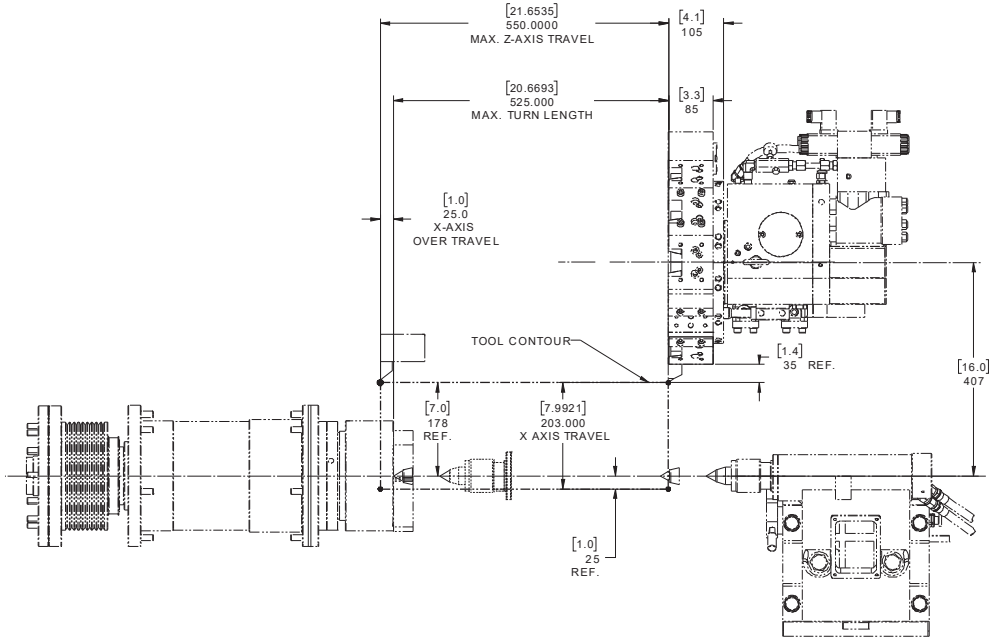
Machine specifications can be found on Pages 41-43

POWER & CAPACITY TM8i

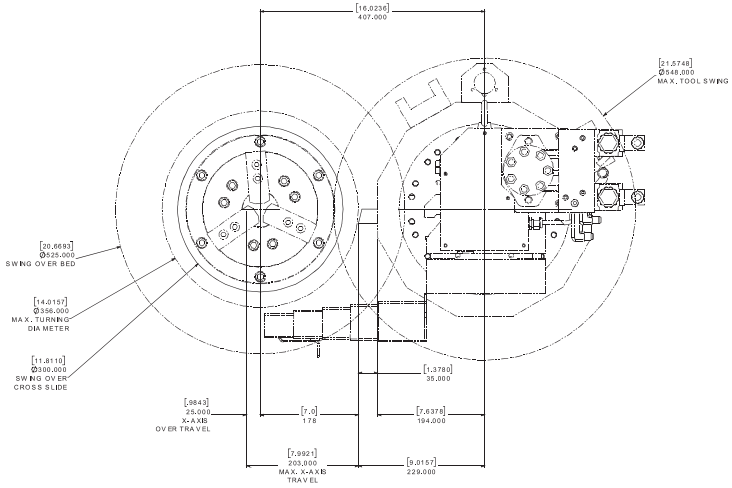
OPERATING DIMENSIONS



TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TM10i

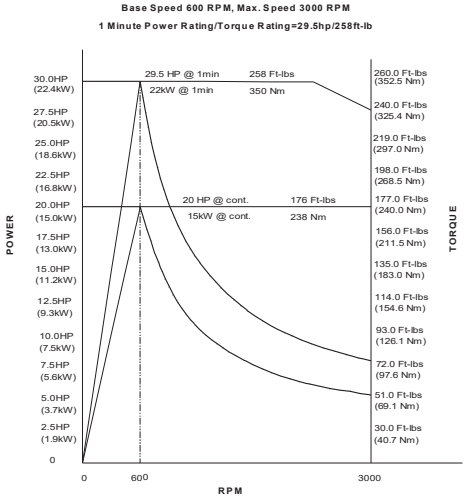
The perfect combination of size and functionality.



Machine Overview

- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Cast iron frame designed with Finite Element Analysis (FEA)
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Bi-directional hydraulic turret decreases tool index time
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Tailstock mounted on heavy-duty box ways with live center
- Large 1.26-inch ball screws X/Z minimize friction
- Distance between guide ways promotes rigidity
  - 7.87 inches X-axis
  - 12 inches Z-axis

POWER & TORQUE



Award winning control.

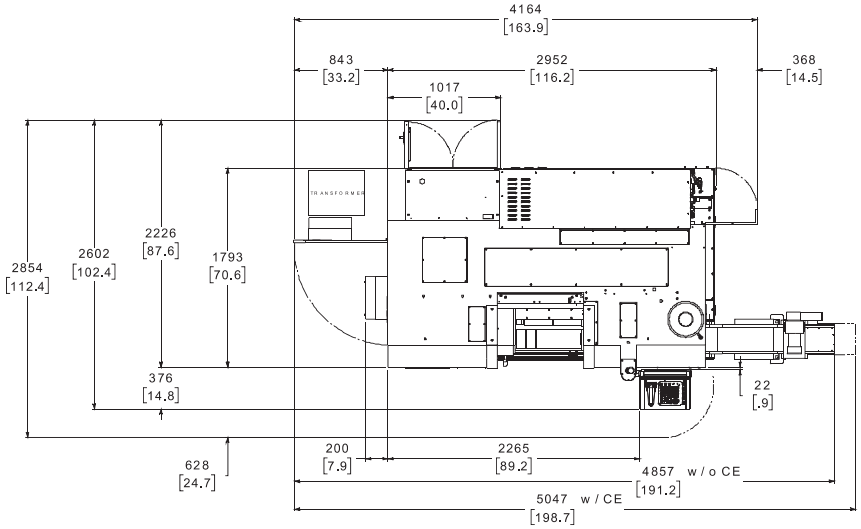
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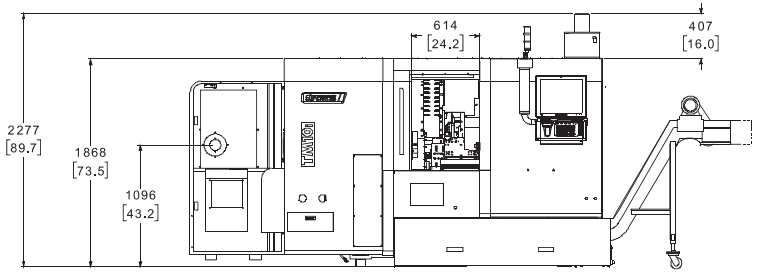
For more information about the control, go to Page 37

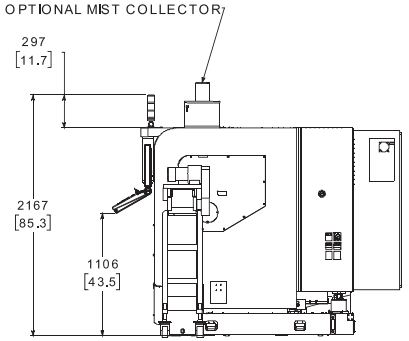
Machine specifications can be found on Pages 41-43

POWER & CAPACITY TM10i

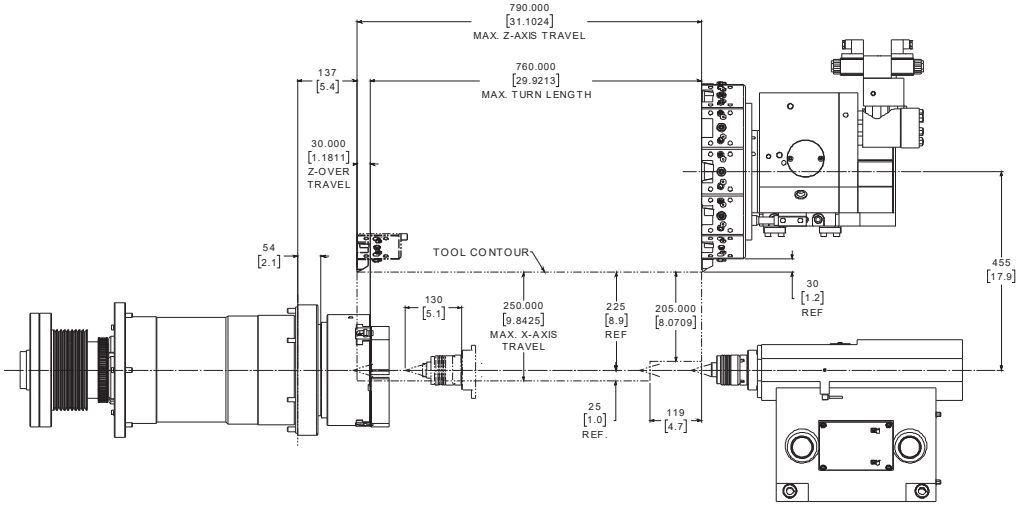
OPERATING DIMENSIONS



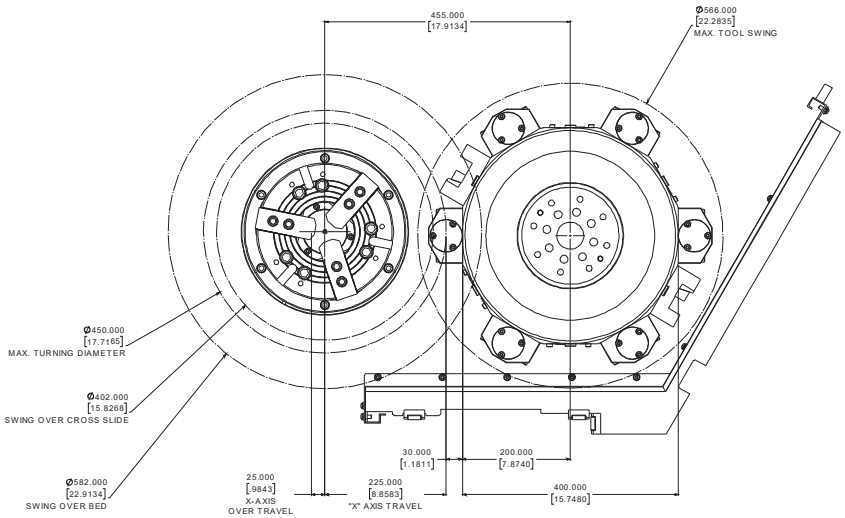




OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TM12i

Specifically created to withstand the rigors of heavy cuts.

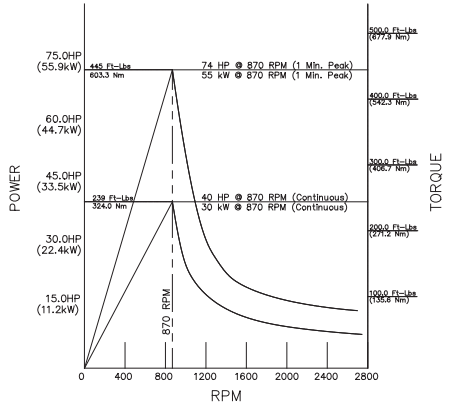


Machine Overview

- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Renishaw tool setter standard
- Chip conveyor standard
- Spindle chiller standard
- 300 psi CTS
- Standard tailstock mounted on heavy-duty box ways with live center
- Bi-directional hydraulic turret decreases tool index time
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Large ball screws minimize friction
  - 1.42 inches X-axis
  - 1.58 inches Z-axis
- Distance between guide ways promotes rigidity
  - 10 inches X-axis
  - 17.7 inches Z-axis

POWER & TORQUE

Base Speed 870 RPM, Max. Speed 2800 RPM
1 Minute Power Rating/Torque Rating=74hp (55kW) /445ft-lb (603 Nm)



Machine specifications can be found on Pages 41-43

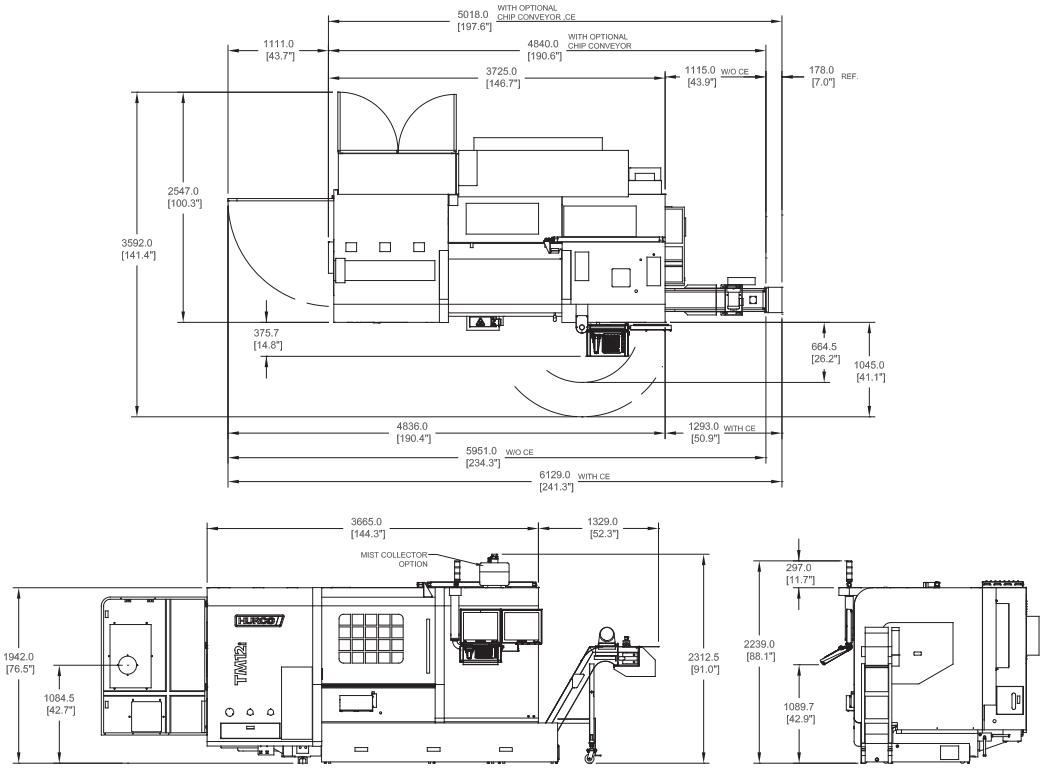
Award winning control.

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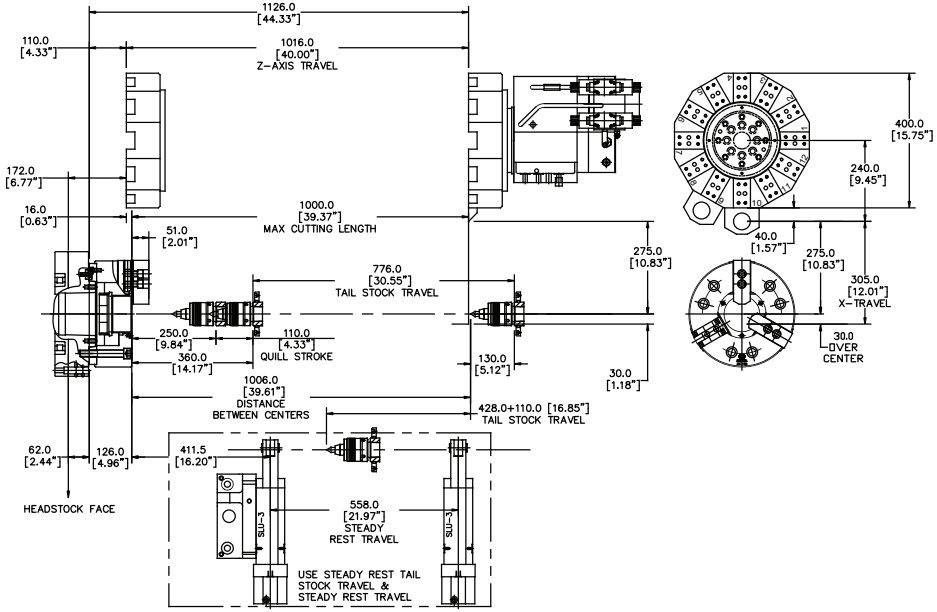
For more information about the control, go to Page 37

POWER & CAPACITY TM12i

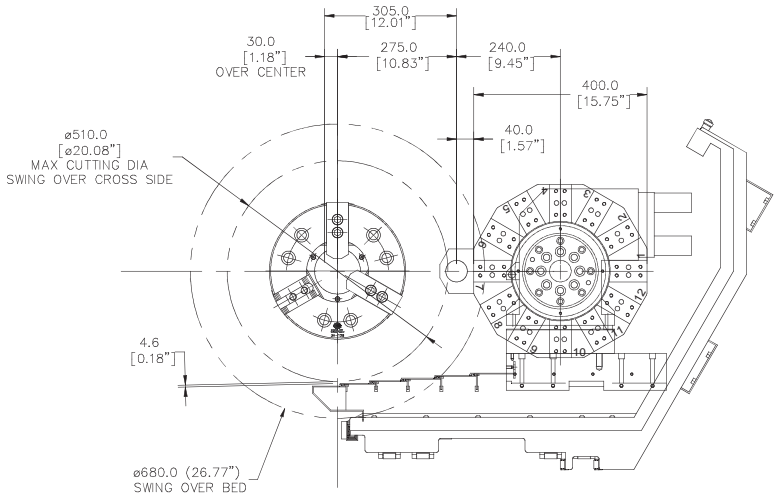
OPERATING DIMENSIONS



OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TM18i

Large slant-bed lathe is ideal for aerospace and energy parts.



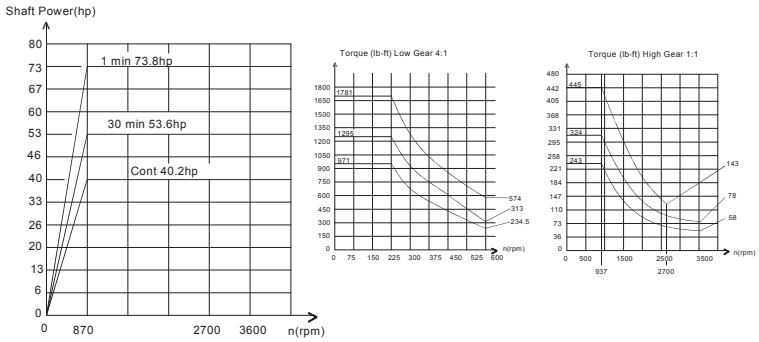
Machine Overview

- Heavy cast iron frame designed with Finite Element Analysis (FEA)
- True 45-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Linear motion roller guideways on all axes
  - equipped with roller packs for stability instead of ball packs
- ZF Gearbox produces outstanding cutting force for heavy cuts
  - 2-speed gearbox provides maximum torque at low and high speeds
- Large ball screws minimize friction
  - 1.58 inches X-axis
  - 1.97 inches Z-axis
- Distance between guide ways promotes rigidity
  - 13 inches X-axis
  - 22.2 inches Z-axis
- Bi-directional hydraulic turret decreases tool index time
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Standard tailstock mounted on heavy-duty box ways with live center
- Optional steady rest available

POWER & TORQUE

Pulley Ratio: 1.667:1
Low Final Gear: 6.6668:1
High Final Ratio: 1.667:1

Base Speed 870 RPM, Max. Speed 1600 RPM
1 Minute Power Rating/Torque Rating=73 hp/445 lb-ft (High Gear)
1 Minute Power Rating/Torque Rating=73 hp/1781 lb-ft (Low Gear)

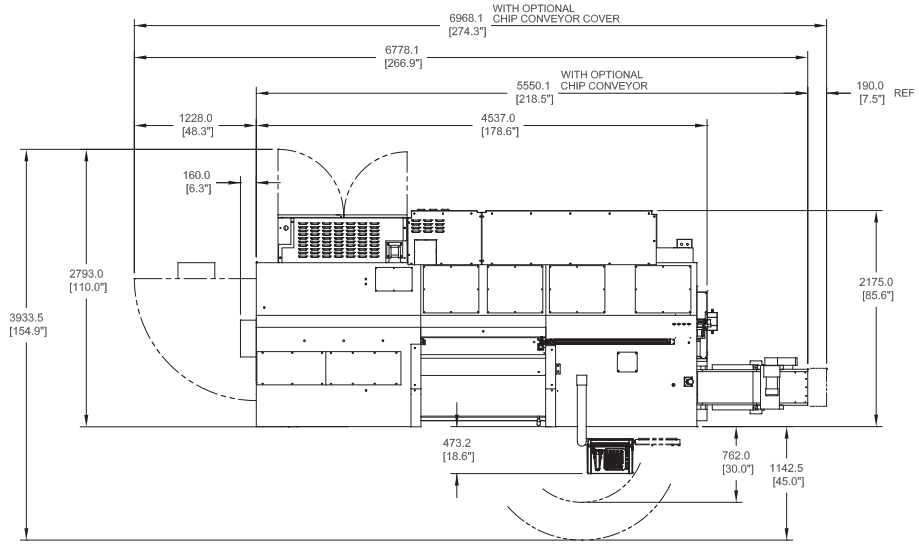


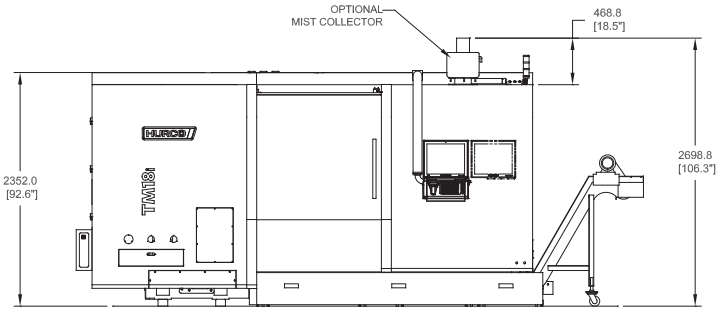
ZF gearbox produces outstanding cutting force for heavy cuts. The two-speed gearbox promotes maximum torque at low and high speeds producing outstanding cutting force for heavy cuts. The component isolation system combats heat dissipation and spindle head growth. Advanced spindle technology promotes higher power transfer and quieter operation. Equipped with brushless Yaskawa AC servo motors and Yaskawa drives.

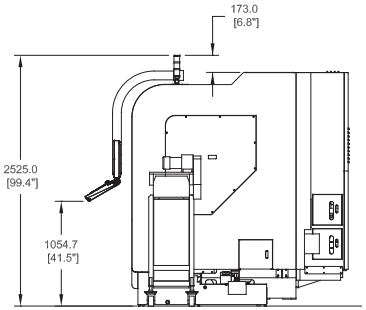
Machine specifications can be found on Pages 41-43

POWER & CAPACITY TM18i

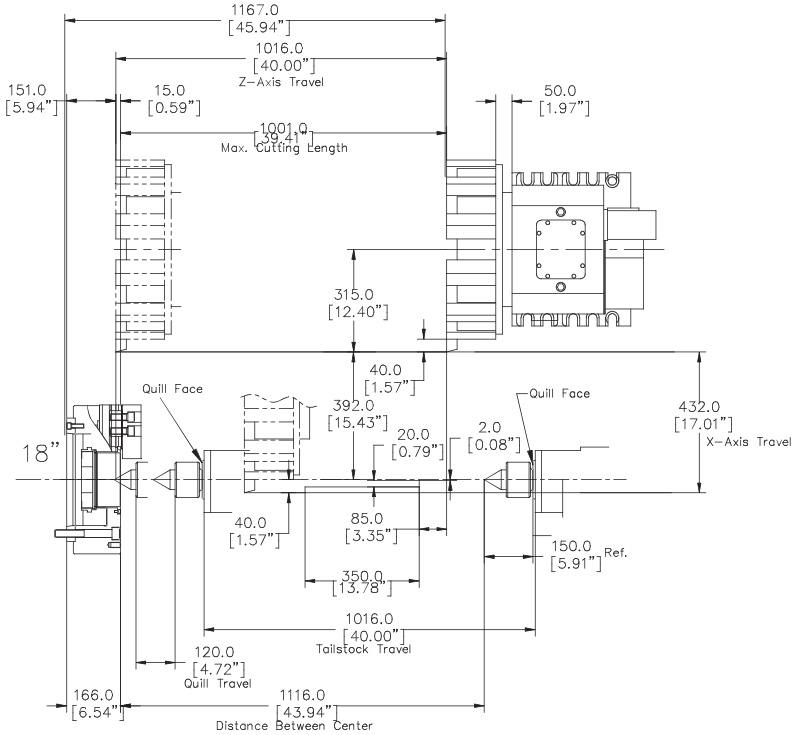
OPERATING DIMENSIONS



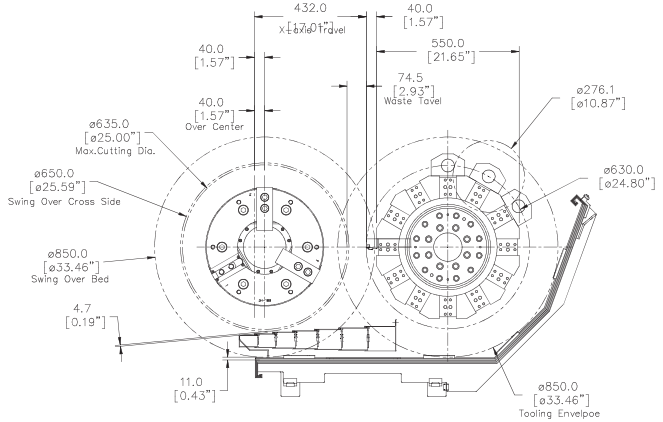




OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TM18Li

Built tough to handle heavy duty turning + long parts.



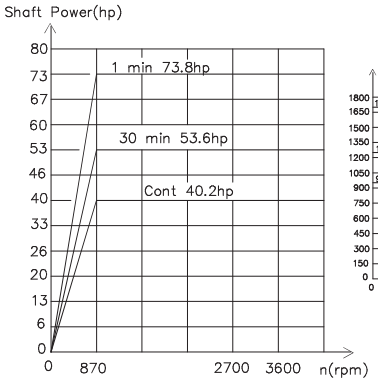
Machine Overview

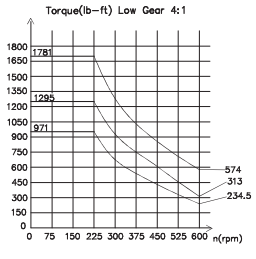
- Heavy cast iron frame designed with Finite Element Analysis (FEA)
- True 45-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Linear motion roller guideways on all axes
  - equipped with roller packs for stability instead of ball packs
- ZF Gearbox produces outstanding cutting force for heavy cuts.
  - 2-speed gearbox provides maximum torque at low and high speeds
- Large ball screws minimize friction
  - 1.58 inches X-axis
  - 1.97 inches Z-axis
- Distance between guide ways promotes rigidity
  - 13 inches X-axis
  - 22.2 inches Z-axis
- Bi-directional hydraulic turret decreases tool index time
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Standard tailstock mounted on heavy-duty box ways with live center
- Optional steady rest available

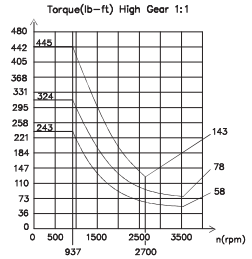
POWER & TORQUE

Pulley Ratio: 1.667:1
Low Final Gear: 6.6668:1
High Final Ratio: 1.667:1

Base Speed 870 RPM, Max. Speed 1600 RPM
1 Minute Power Rating/Torque Rating=73 hp/445 lb-ft (High Gear)
1 Minute Power Rating/Torque Rating=73 hp/1781 lb-ft (Low Gear)





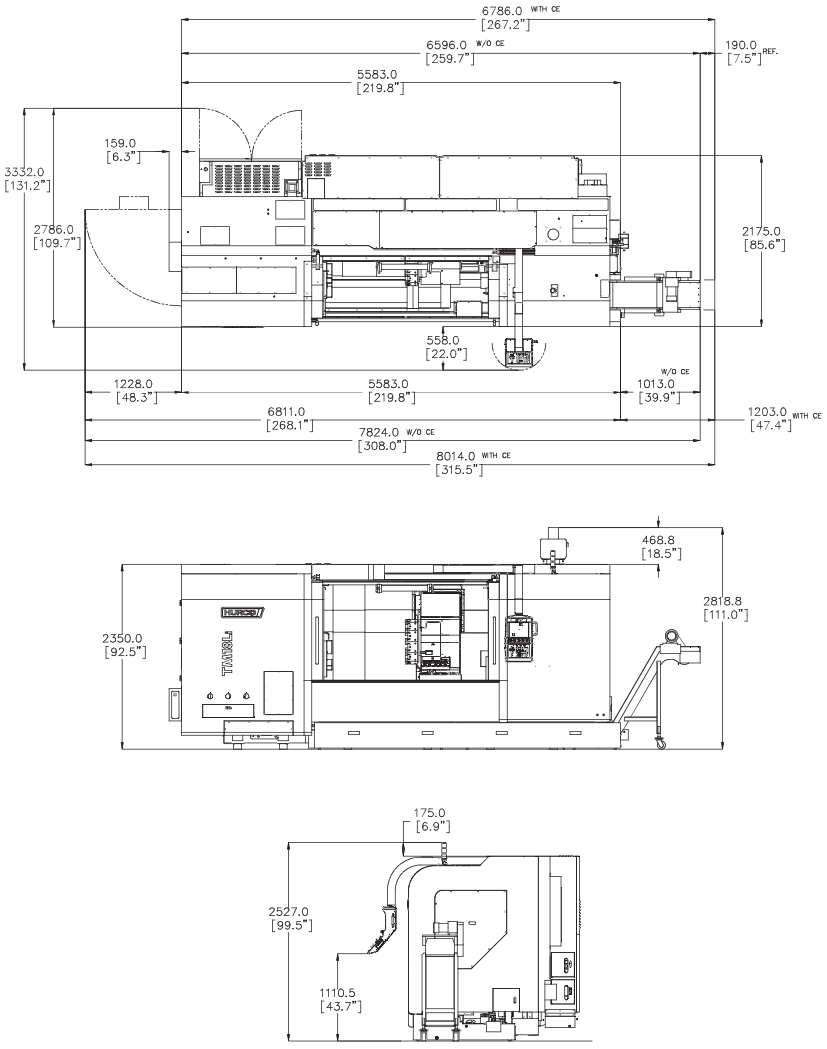


ZF gearbox produces outstanding cutting force for heavy cuts. The two-speed gearbox promotes maximum torque at low and high speeds producing outstanding cutting force for heavy cuts. The component isolation system combats heat dissipation and spindle head growth. Advanced spindle technology promotes higher power transfer and quieter operation. Equipped with brushless Yaskawa AC servo motors and Yaskawa drives.

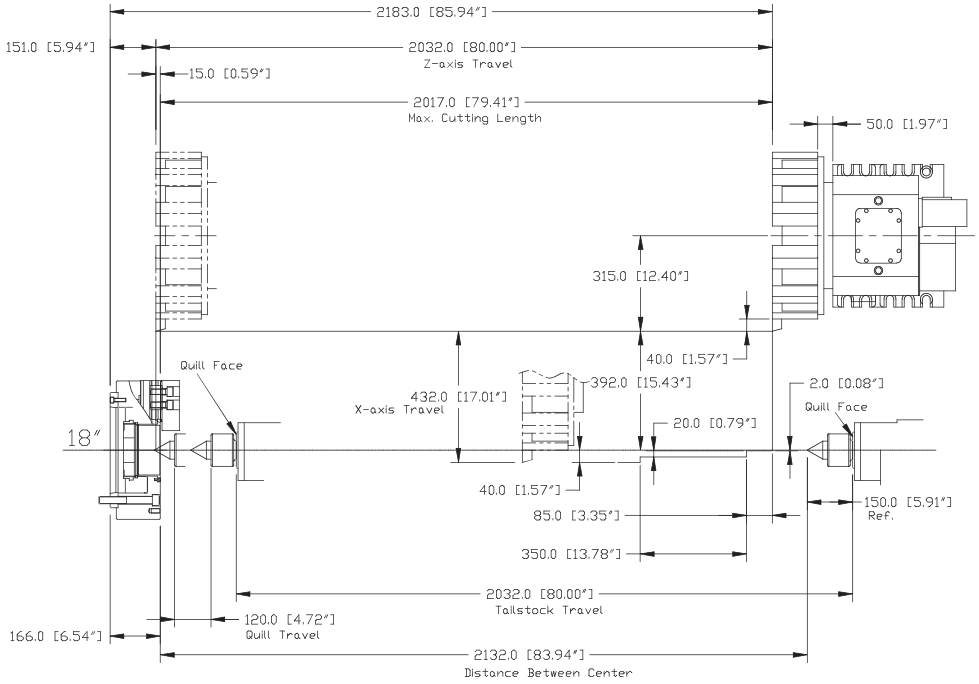
Machine specifications can be found on Pages 41-43

POWER & CAPACITY TM18Li

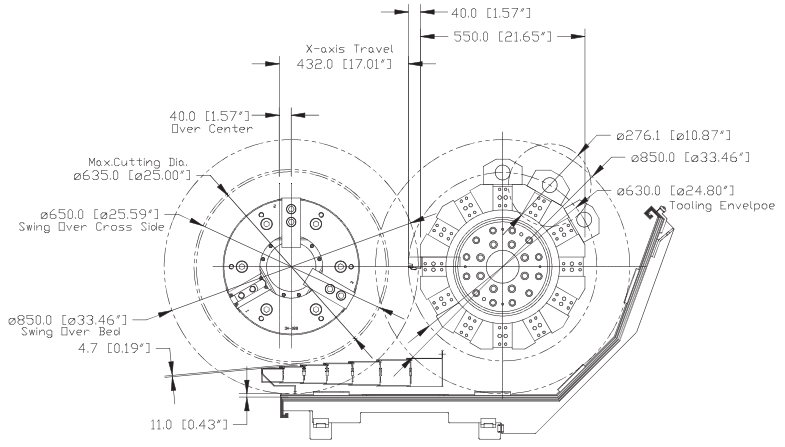
OPERATING DIMENSIONS



OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TM18LBBi

Big bore turning.



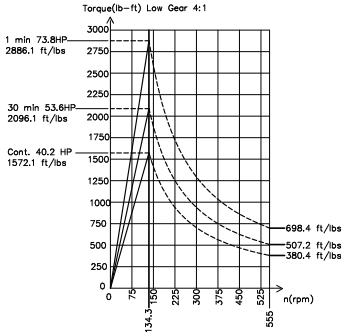
Machine Overview

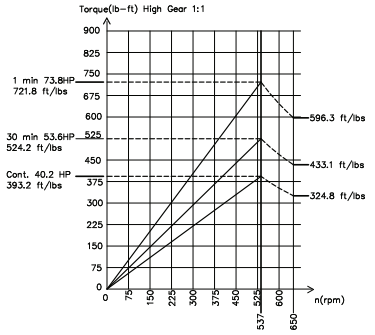
- 10.8-inch spindle bore
- 22-inch hydraulic chuck (front) with rear chuck available (pneumatic or manual)
- Heavy cast iron frame designed with Finite Element Analysis (FEA)
- True 45-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Linear motion roller guideways on all axes
  - equipped with roller packs for stability instead of ball packs
- ZF Gearbox produces outstanding cutting force for heavy cuts
  - 2-speed gearbox provides maximum torque at low and high speeds
- Large ball screws minimize friction
  - 1.58 inches X-axis
  - 1.97 inches Z-axis
- Distance between guide ways promotes rigidity
  - 13 inches X-axis
  - 22.2 inches Z-axis
- Bi-directional hydraulic turret decreases tool index time
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Standard tailstock mounted on heavy-duty box ways with live center
- Optional steady rest available

POWER & TORQUE

Pulley Ratio: 2.7:1
Low Final Ratio: 10.8:1
High Final Ratio: 2.7:1

Low Gear – Base Speed 134.3 RPM, Max. Speed 550 RPM, Limited to 400RPM
High Gear – Base Speed 537 RPM, Max. Speed 650 RPM
1 Minute Power Rating/Torque Rating=73.8 hp/2886.1 lb–ft (Low Gear)
1 Minute Power Rating/Torque Rating=73.8 hp/721.8 lb–ft (High Gear)



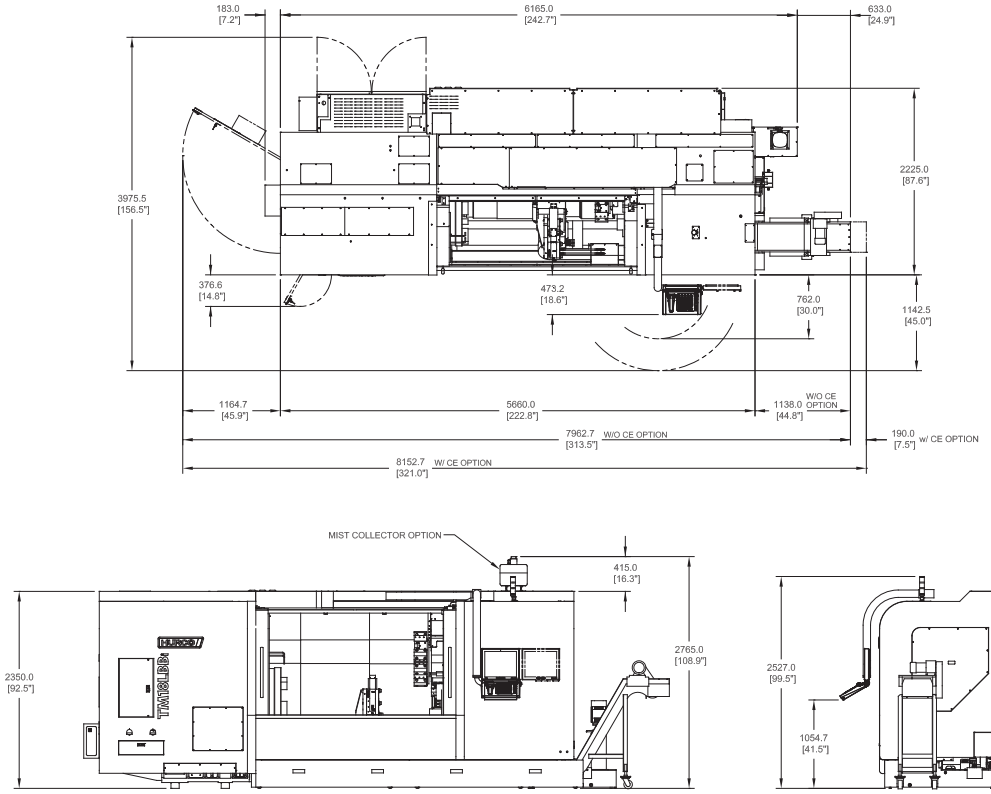


Machine specifications can be found on Pages 41-43

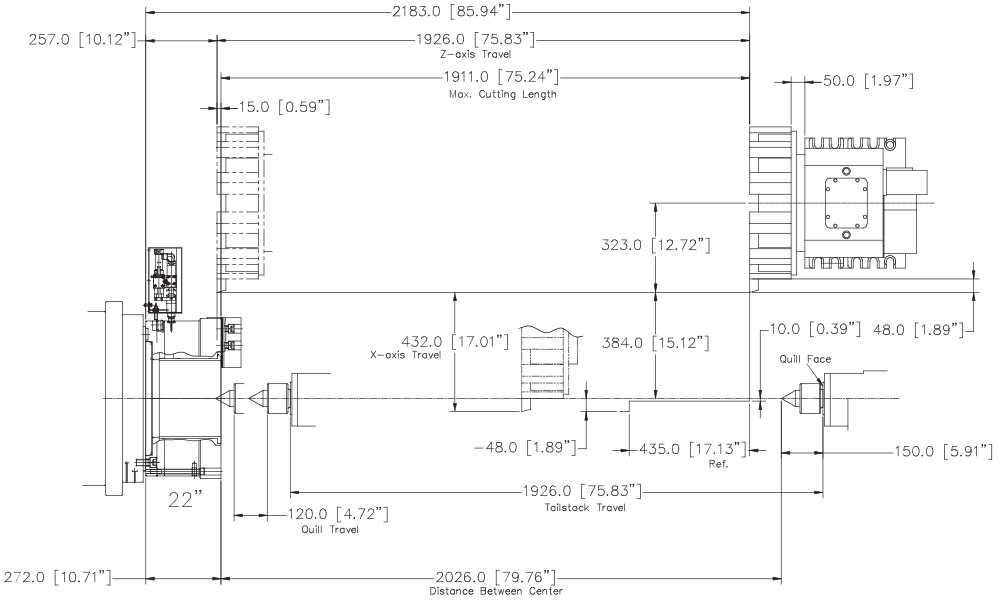
ZF gearbox produces outstanding cutting force for heavy cuts. The two-speed gearbox promotes maximum torque at low and high speeds producing outstanding cutting force for heavy cuts. The component isolation system combats heat dissipation and spindle head growth. Advanced spindle technology promotes higher power transfer and quieter operation. Equipped with brushless Yaskawa AC servo motors and Yaskawa drives.

POWER & CAPACITY TM18LBBi

OPERATING DIMENSIONS

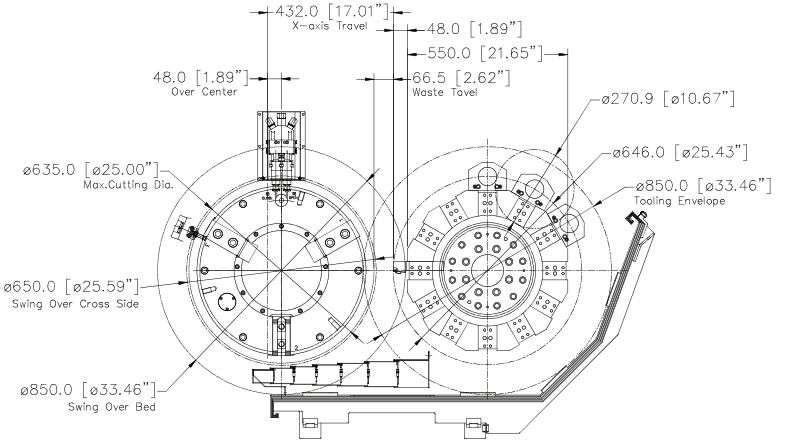


OD TOOL TAILSTOCK INTERFERENCE



Chucking Dia. max⌀580 min⌀200

TOOL INTERFERENCE



TMX8i

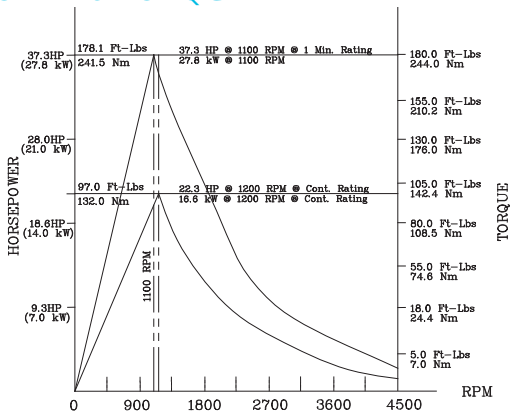
Built to withstand the stress of high performance turning.



Machine Overview

- Cast iron frame designed with Finite Element Analysis (FEA)
- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Large 1.42-inch ball screws X/Z/W minimize friction
- Distance between guide ways promotes rigidity
  - 10 inches X-axis
  - 18.5 inches Z-axis
  - 11.4 inches W-axis
- Bi-directional servo turret decreases tool index time
- Fully programmable tailstock mounted on heavy-duty linear rails with live center – servo driven
- Spindle harmonic control
- Spindle chiller standard
- Chip conveyor standard
- LCD remote jog standard
- Oil skimmer standard

POWER & TORQUE



Base Speed 1100 RPM, Max.Speed 4500 RPM
1 Min. Power Rating/Torque Rating=37.3 HP/178.1 Ft–Lbs

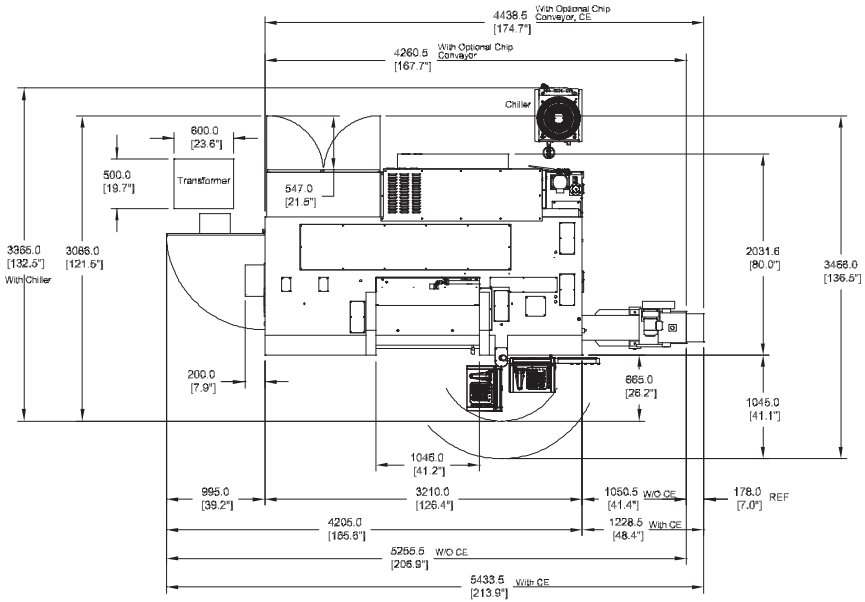
Machine specifications can be found on Pages 41-43

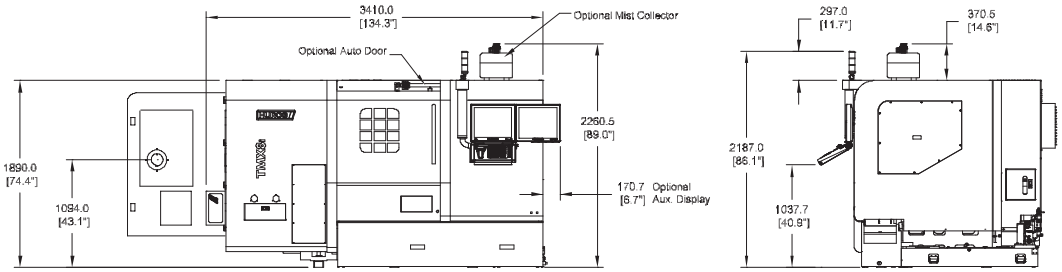
More horsepower. More torque. Increased travels. Faster rapids. Faster acceleration/deceleration rates. Programmable tailstock. Servo turret with 12-tool stations provides faster and more accurate tool indexes with ability to use any combination of ID and OD tool holders. The TMXi Series Turning Centers also have a high output, digitally controlled spindle motor, and a component isolation system that combats heat dissipation and spindle head growth. Advanced spindle technology with multiple V-belt design promotes higher power transfer and quieter operation.

POWER & CAPACITY

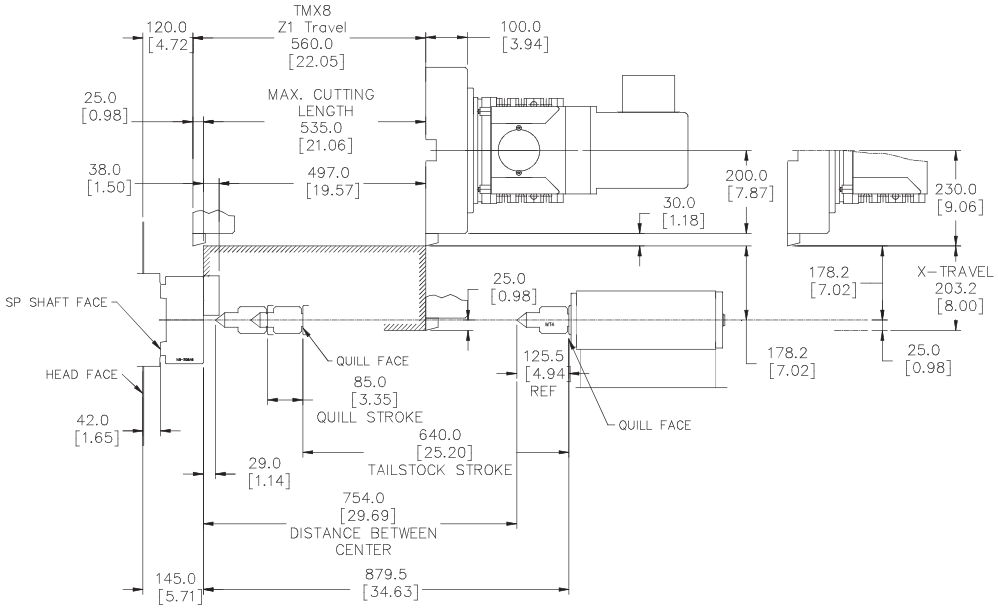
TMX8i

OPERATING DIMENSIONS

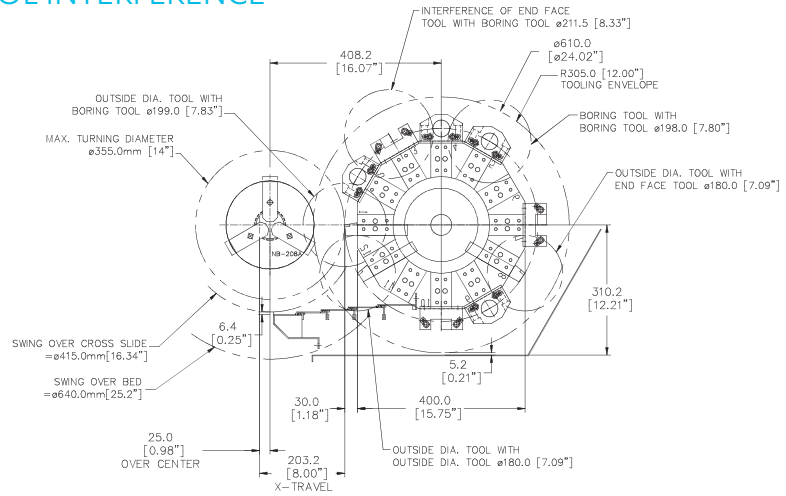




OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TMX10i

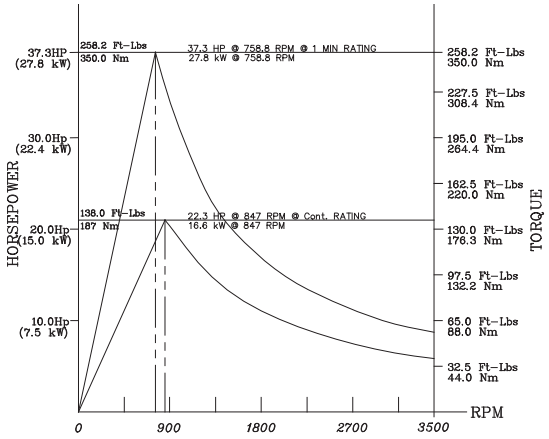
High performance turning with 10-inch chuck.



Machine Overview

- Cast iron frame designed with Finite Element Analysis (FEA)
- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Large 1.42-inch ball screws X/Z/W minimize friction
- Distance between guide ways promotes rigidity
  - 10 inches X-axis
  - 18.5 inches Z-axis
  - 11.4 inches W-axis
- Bi-directional servo turret decreases tool index time
- Fully programmable tailstock mounted on heavy-duty linear rails with live center – servo driven
- Spindle harmonic control
- Spindle chiller standard
- Chip conveyor standard
- LCD remote jog standard
- Oil skimmer standard

POWER & TORQUE



Base Speed 758.8 RPM, Max.Speed 3500 RPM
1 Min. Power Rating/Torque Rating = 37.3 Hp/258.2 Ft-Lbs
30 Min. Power Rating/Torque Rating = 31.1 Hp/215.3 Ft-Lbs

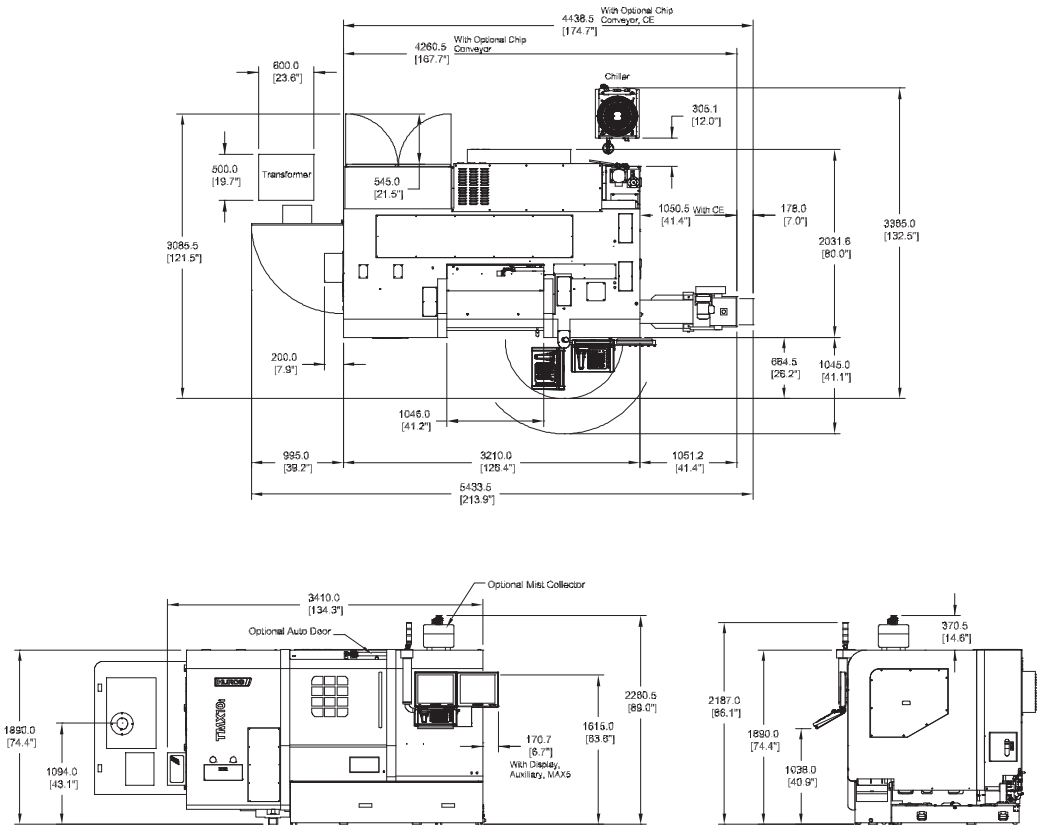
More horsepower. More torque. Increased travels. Faster rapids. Faster acceleration/deceleration rates. Programmable tailstock. Servo turret with 12-tool stations provides faster and more accurate tool indexes with ability to use any combination of ID and OD tool holders. The TMXi Series Turning Centers also have a high output, digitally controlled spindle motor, and a component isolation system that combats heat dissipation and spindle head growth. Advanced spindle technology with multiple V-belt design promotes higher power transfer and quieter operation.

Machine specifications can be found on Pages 41-43

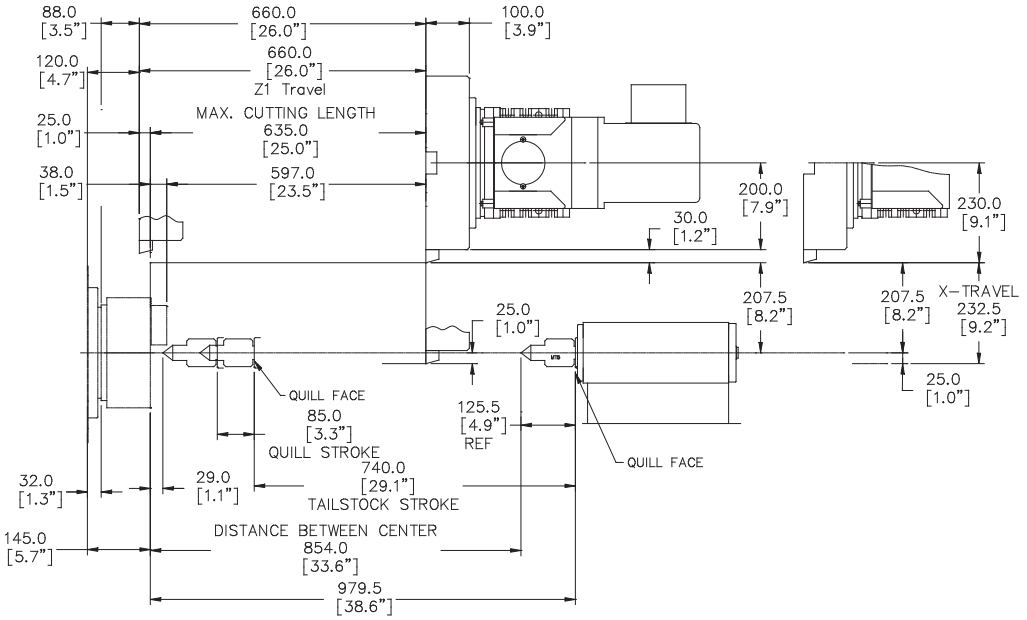
POWER & CAPACITY

TMX10i

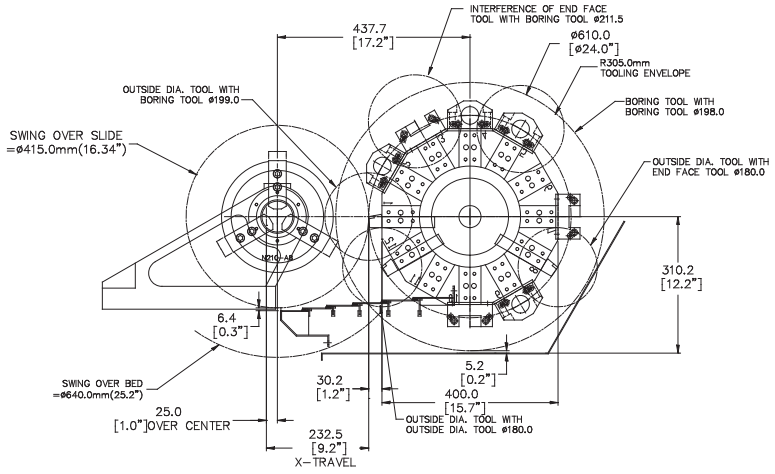
OPERATING DIMENSIONS



OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TMX8MYi

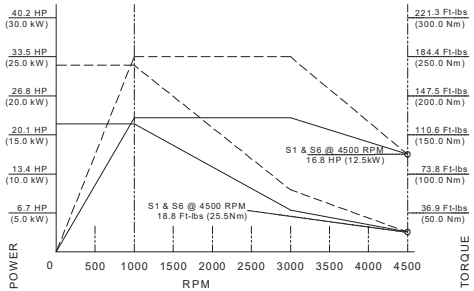
Powerful productivity in a live tooling turning center.



Machine Overview

- Motorized spindle
- More Y-axis travel than competitive models
- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Standard servo driven programmable tailstock mounted on heavy-duty linear rails with live center
- Large ball screws to minimize friction (1.42-inches X/Z/W + 1.26 inches Y)
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Cast iron frame designed with Finite Element Analysis (FEA)
- Distance between guide ways promotes rigidity
  - 10 inches X-axis and Y-axis
  - 18.5 inches Z-axis
  - 11.4 inches W
- Double-nut pre-loaded ball screws increase accuracy
- Bi-directional servo turret decreases tool index time
- Spindle harmonic control
- Spindle chiller standard
- Parts catcher standard
- Chip conveyor standard

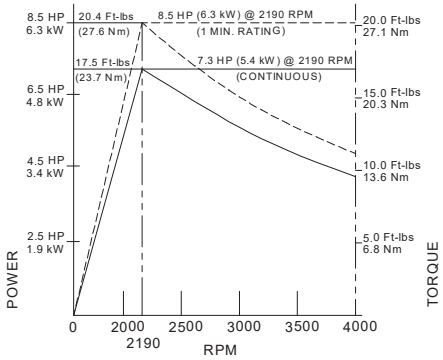
POWER & TORQUE



Continuous Rating - S1(100%) Base Speed 1000 RPM :
23.1 HP (17.2 kW)
121.0 Ft-Lbs (164.0 Nm)

30min. Rating - S6(40%) Base Speed 1000 RPM :
33.5 HP [25.0 kW]
176.3 Ft-Lbs (239.0 Nm)

LIVE POWER & TORQUE



Continuous Rating - Base Speed 2190 RPM :
7.3 HP [5.4 kW]
17.5 Ft-lbs [23.7 Nm]

1 min. Rating - Base Speed 2190 RPM :
8.5 HP [6.3 kW]
20.4 Ft-lbs [27.6 Nm]

Built for speed.

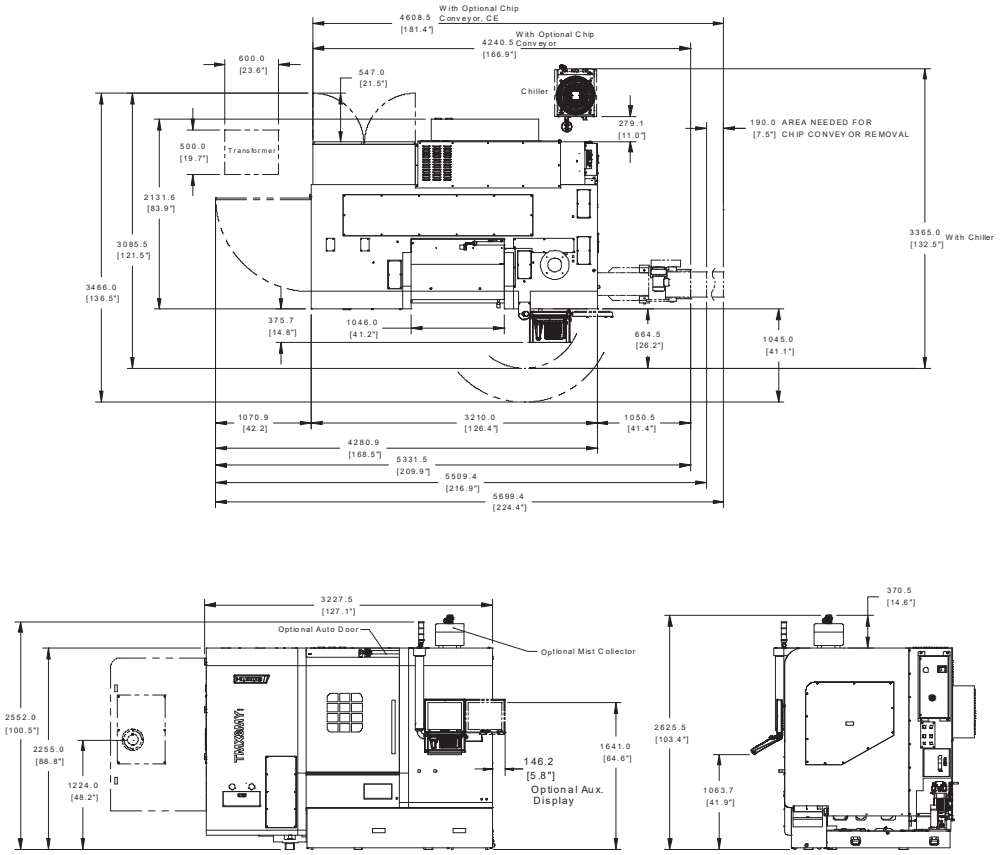
Servo turret provides quick-change tooling and fast indexing, features a large curvic coupling for superior rigidity, and makes all stations live-tool capable. The short drive train of live tooling generates less heat and provides more torque to the tool, resulting in higher reliability and quieter operation. Other benefits include: high output, digitally controlled spindle motor, programmable tailstock, and a component isolation system that combats heat dissipation and spindle head growth.

Machine specifications can be found on Pages 41-43

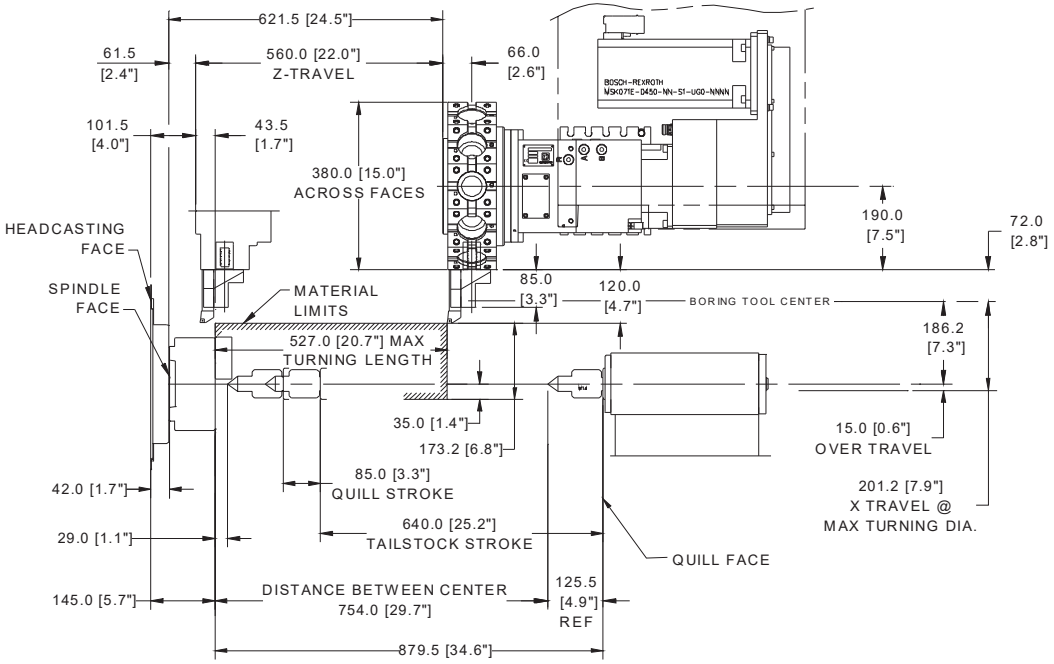
POWER & CAPACITY

TMX8MYi

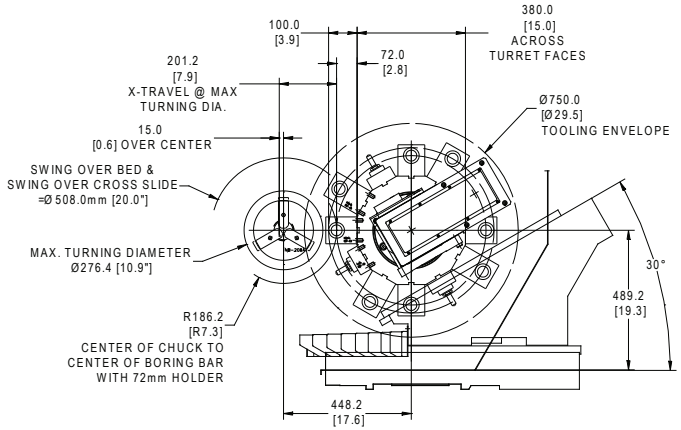
OPERATING DIMENSIONS



OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TMX10MYi

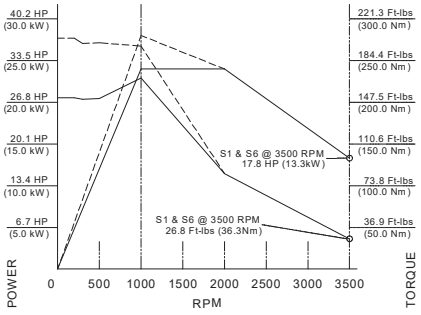
Mill turn machining with live tooling.



Machine Overview

- Motorized spindle
- More Y-axis travel than competitive models
- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Standard servo driven programmable tailstock mounted on heavy-duty linear rails with live center
- Large ball screws to minimize friction (1.42-inches X/Z/W + 1.26 inches Y)
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Cast iron frame designed with Finite Element Analysis (FEA)
- Distance between guide ways promotes rigidity
  - 10 inches X-axis and Y-axis
  - 18.5 inches Z-axis
  - 11.4 inches W
- Double-nut pre-loaded ball screws increase accuracy
- Bi-directional servo turret decreases tool index time
- Spindle harmonic control
- Spindle chiller standard
- Parts catcher standard
- Chip conveyor standard

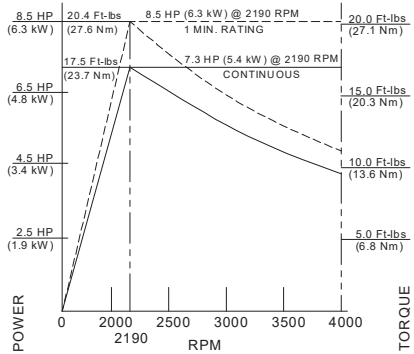
POWER & TORQUE



Continuous Rating - (S1) Base Speed 1000 RPM :
32.2 HP (24 kW)
169.1 Ft-Lbs (229.2 Nm)

30min. Rating - S6(40%) Base Speed 1000 RPM :
37.6 HP [28 kW]
197.2 Ft-Lbs (267.4 Nm)

LIVE POWER & TORQUE



Continuous Rating - Base Speed 2190 RPM :
7.3 HP (5.4 kW)
17.5 Ft-lbs (23.7 Nm)

1 min. Rating - Base Speed 2190 RPM :
8.5 HP (6.3 kW)
20.4 Ft-lbs (27.6 Nm)

Built for speed.

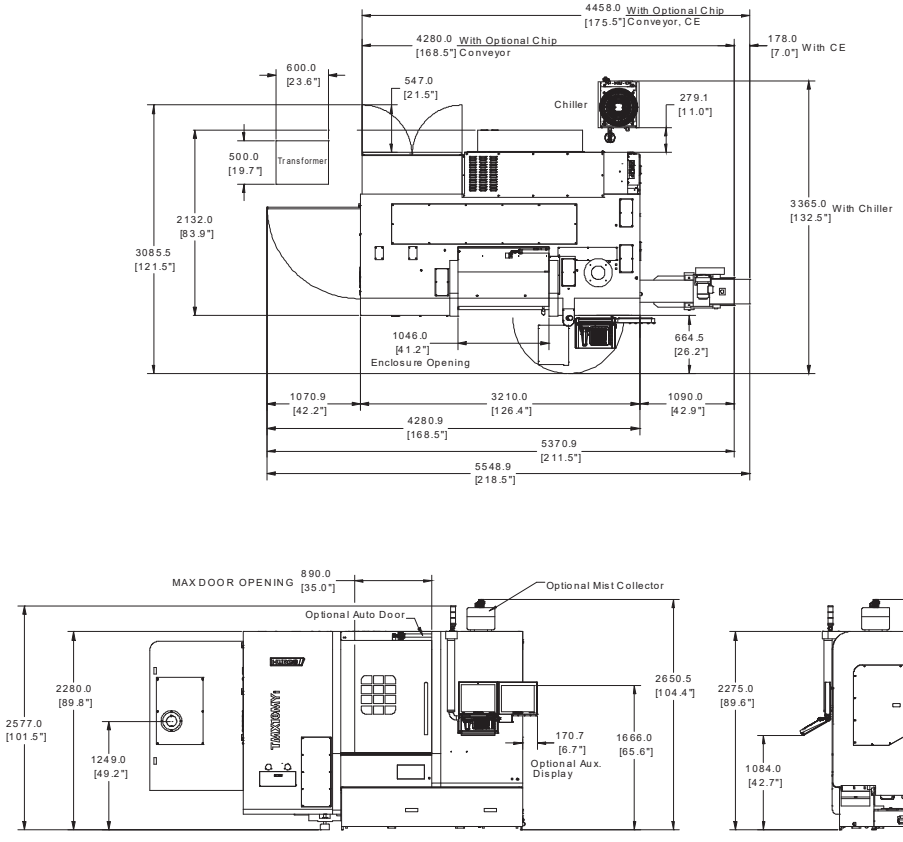
Servo turret provides quick-change tooling and fast indexing, features a large curvic coupling for superior rigidity, and makes all stations live-tool capable. The short drive train of live tooling generates less heat and provides more torque to the tool, resulting in higher reliability and quieter operation. Other benefits include: high output, digitally controlled spindle motor, programmable tailstock, and a component isolation system that combats heat dissipation and spindle head growth.

Machine specifications can be found on Pages 41-43

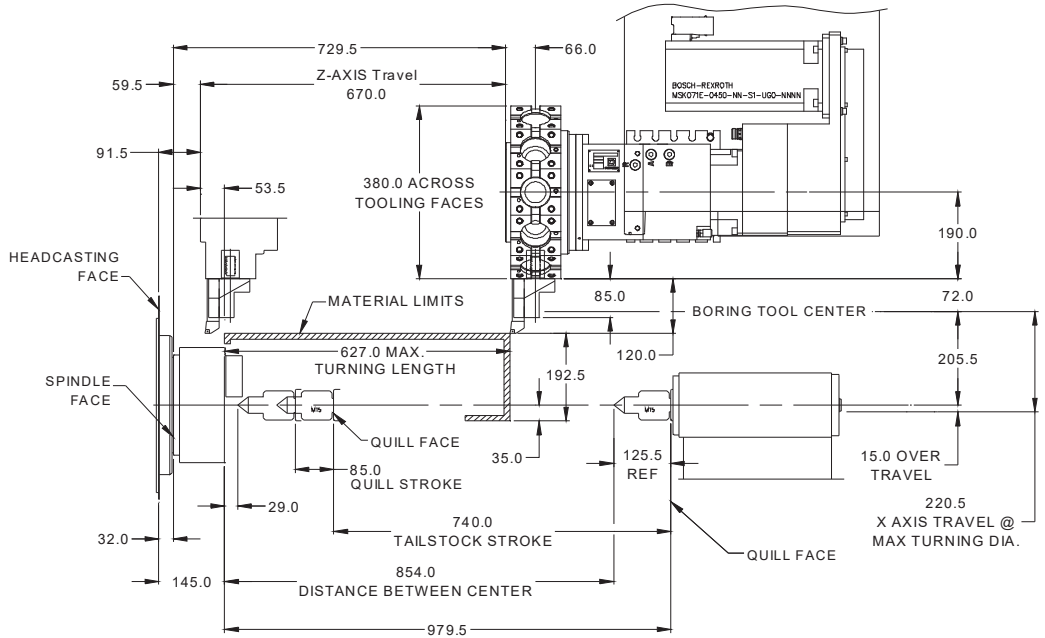
POWER & CAPACITY

TMX10MYi

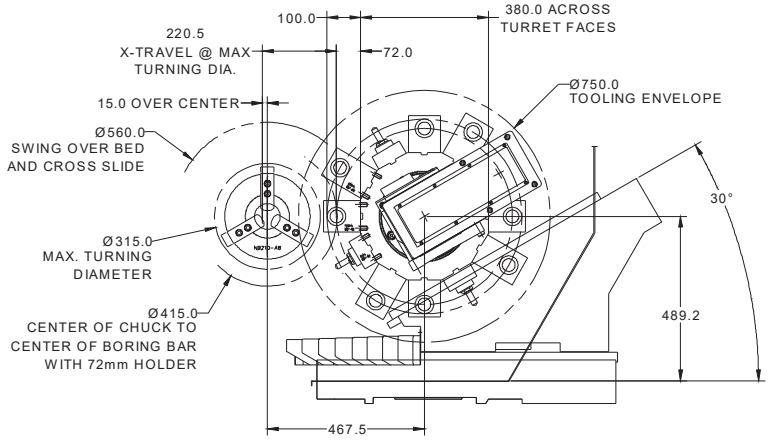
OPERATING DIMENSIONS



OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TMX8MYSi

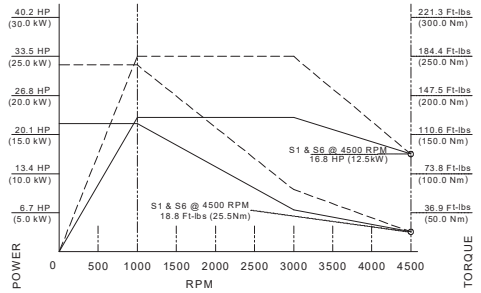
Multi-tasking at its finest.



Machine Overview

- Motorized spindle
- More Y-axis travel than competitive models
- Sub-spindle with chiller
- Cast iron frame designed with Finite Element Analysis (FEA)
- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Large ball screws to minimize friction (1.42-inches X/Z/W + 1.26 inches Y)
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Distance between guide ways promotes rigidity
  - 10 inches X-axis and Y-axis
  - 18.5 inches Z-axis
  - 11.4 inches W
- Double-nut pre-loaded ball screws increase accuracy
- Bi-directional servo turret decreases tool index time
- Spindle harmonic control
- Spindle chiller standard
- Parts catcher standard
- Chip conveyor standard

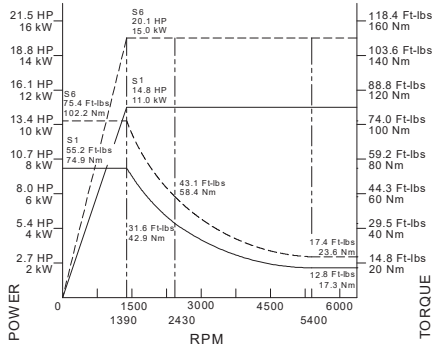
MAIN POWER & TORQUE



Continuous Rating - S1(100%) Base Speed 1000 RPM :
23.1 HP (17.2 kW)
121.0 Ft-Lbs (164.0 Nm)

30min. Rating - S6(40%) Base Speed 1000 RPM :
33.5 HP [25.0 kW]
176.3 Ft-Lbs (239.0 Nm)

SUB-SPINDLE POWER & TORQUE



S1 - Base Speed 1390 RPM, Continuous Rating:
14.8 HP [11 kW]
55.2 Ft-Lbs [74.9 Nm]

S6(40%) - Base Speed 1390 RPM, 30min. Rating:
20.1 HP [15.0 kW]
75.4 Ft-Lbs [102.2 Nm]

Built for speed.

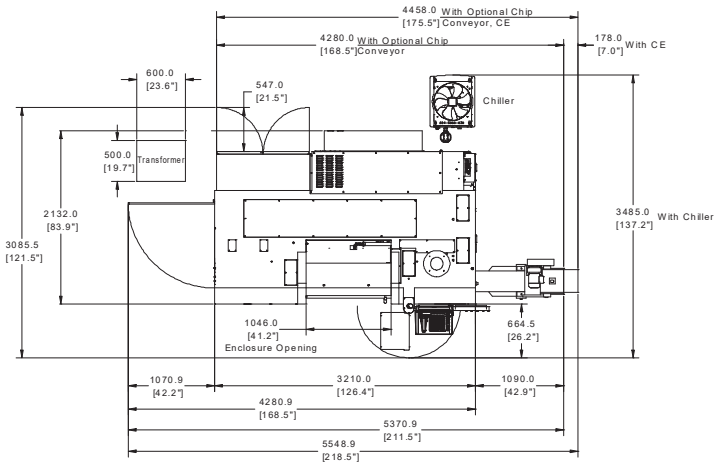
The high performance specifications and meticulous design and construction of the TMX8MYSi and TMX10MYSi make for powerful turning centers capable of the most productive multi-tasking feats. With live tooling and a sub-spindle, you can finish parts on both the front and back side. You'll achieve even greater productivity because you have less setups and less material handling. Faster rapids, increased travels, and more horsepower add to productivity gains.

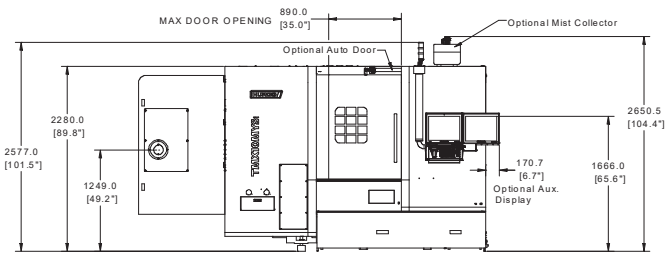
Machine specifications can be found on Pages 41-43

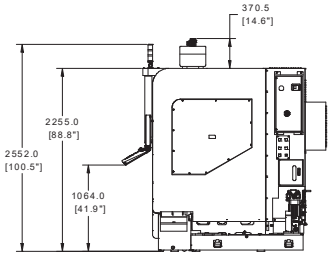
POWER & CAPACITY

TMX8MYSi

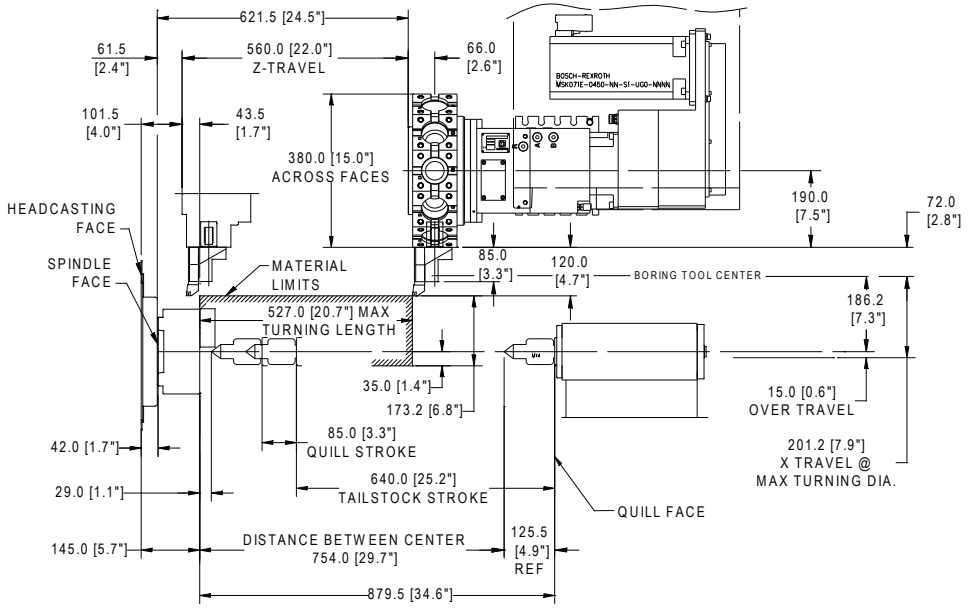
OPERATING DIMENSIONS



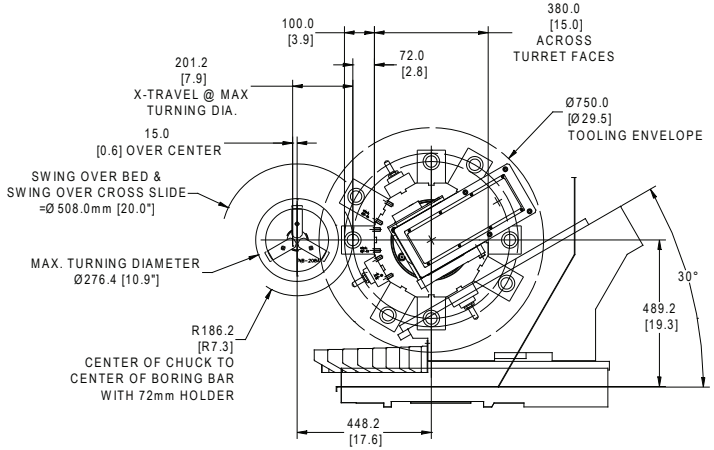




OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TMX10MYSi

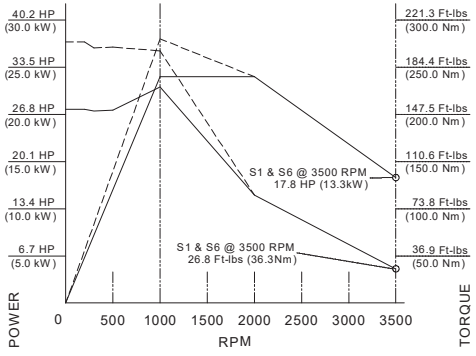
Built for speed, accuracy, and repeatability.



Machine Overview

- Motorized spindle
- More Y-axis travel than competitive models
- Sub-spindle with chiller
- Cast iron frame designed with Finite Element Analysis (FEA)
- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Large ball screws to minimize friction (1.42-inches X/Z/W + 1.26 inches Y)
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Distance between guide ways promotes rigidity
  - 10 inches X-axis and Y-axis
  - 18.5 inches Z-axis
  - 11.4 inches W
- Double-nut pre-loaded ball screws increase accuracy
- Bi-directional servo turret decreases tool index time
- Spindle harmonic control
- Spindle chiller standard
- Parts catcher standard
- Chip conveyor standard

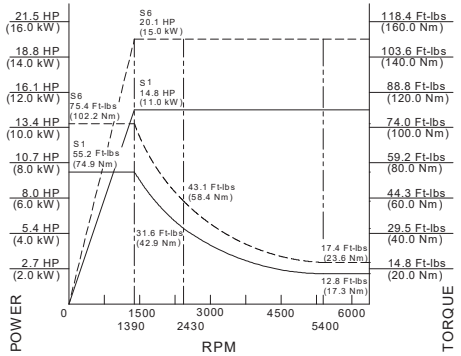
MAIN POWER & TORQUE



Continuous Rating - (S1) Base Speed 1000 RPM :
32.2 HP (24 kW)
169.1 Ft-Lbs (229.2 Nm)

30min. Rating - S6(40%) Base Speed 1000 RPM :
37.6 HP [28 kW]
197.2 Ft-Lbs (267.4 Nm)

SUB-SPINDLE POWER & TORQUE



S1 - Base Speed 1390 RPM, Continuous Rating:
14.8 HP (11.0 kW)
55.2 Ft-Lbs (74.9 Nm)

S6(40%) - Base Speed 1390 RPM, 30min. Rating:
20.1 HP (15.0 kW)
75.4 Ft-Lbs (102.2 Nm)

Built for speed.

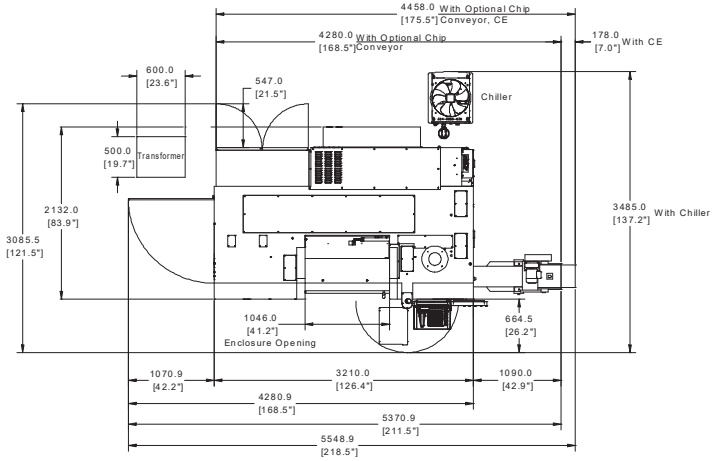
The high performance specifications and meticulous design and construction of the TMX8MYSi and TMX10MYSi make for powerful turning centers capable of the most productive multi-tasking feats. With live tooling and a sub-spindle, you can finish parts on both the front and back side. You'll achieve even greater productivity because you have less setups and less material handling. Faster rapids, increased travels, and more horsepower add to productivity gains.

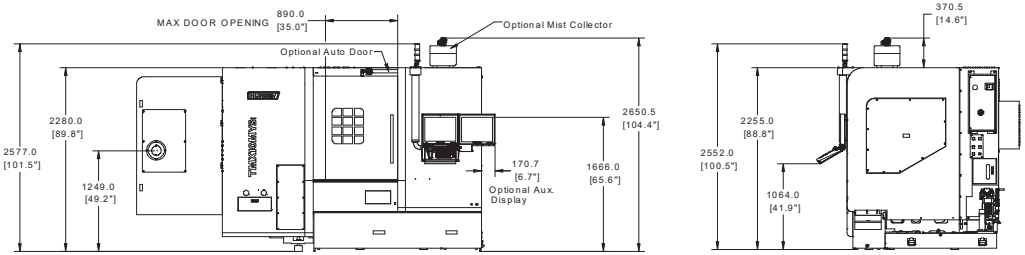
Machine specifications can be found on Pages 41-43

POWER & CAPACITY

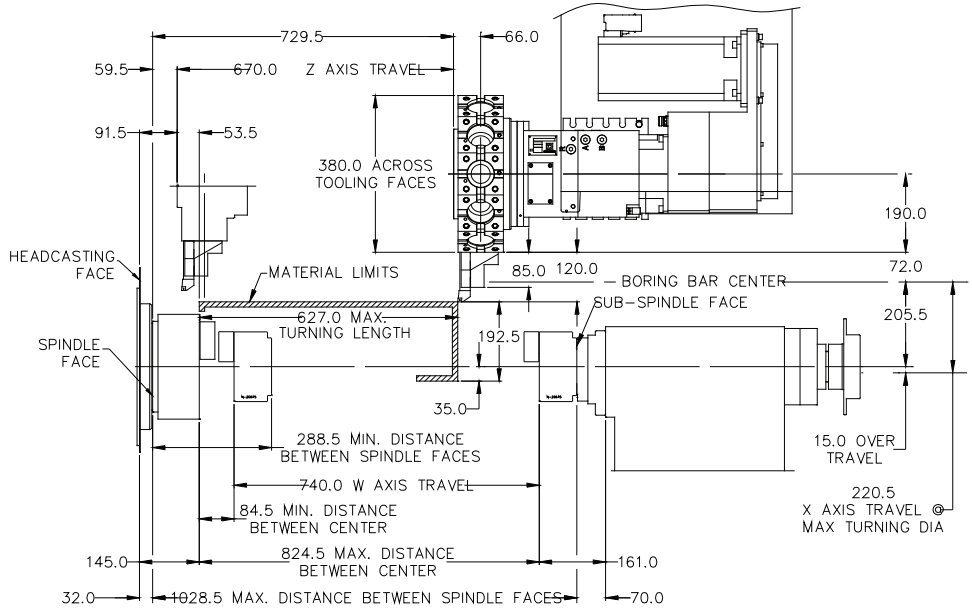
TMX10MYSi

OPERATING DIMENSIONS

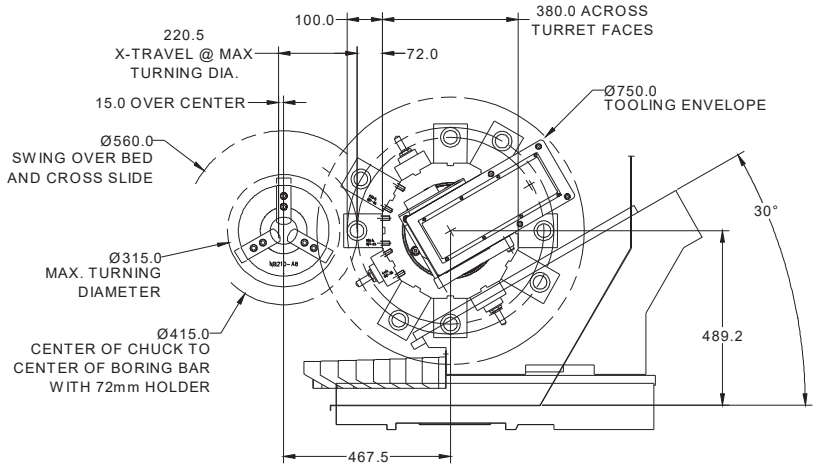




OD TOOL TAILSTOCK INTERFERENCE



TOOL INTERFERENCE



TMM8i

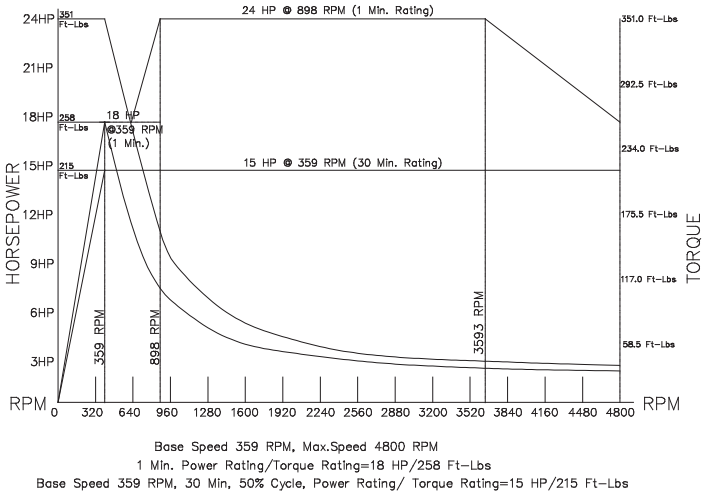
8-inch chuck slant-bed lathe with live tooling.



Machine Overview

- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Standard tailstock mounted on heavy-duty box ways with live center
- All turret stations are live tooling stations
- Cast iron frame designed with Finite Element Analysis (FEA)
- Large 1.26-inch ball screws X/Z minimize friction
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Distance between guide ways promotes rigidity
  - 6.5 inches X-axis
  - 11.93 inches Z-axis
- Double-nut pre-loaded ball screws increase accuracy
- Bi-directional servo turret decreases tool index time

POWER & TORQUE



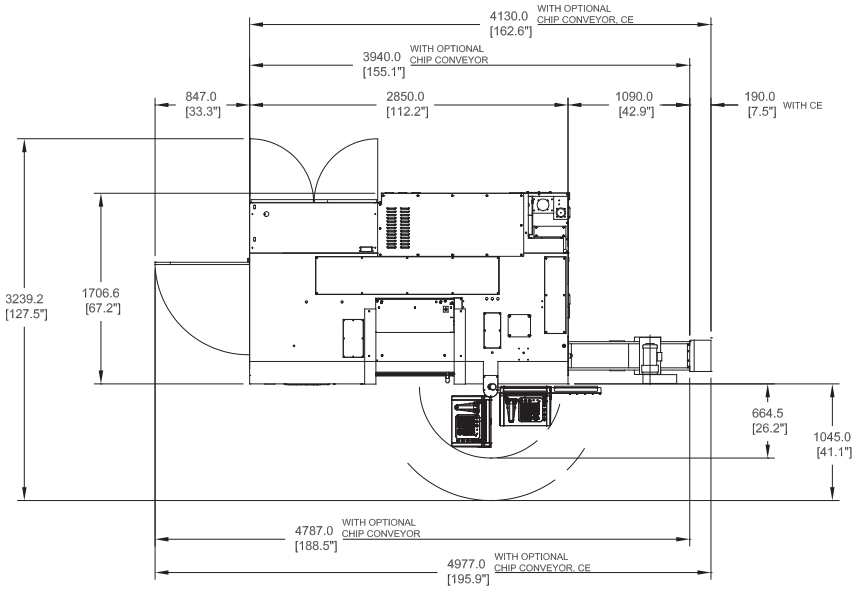
Base Speed 359 RPM, Max.Speed 4800 RPM
1 Min. Power Rating/Torque Rating=18 HP/258 Ft-Lbs
Base Speed 359 RPM, 30 Min, 50% Cycle, Power Rating/ Torque Rating=15 HP/215 Ft-Lbs

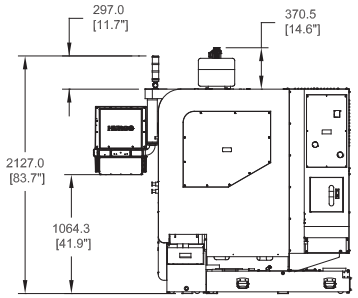
Live tooling. Premium components. Efficient design. Built to last. All 12-tool stations of the turret are live. The servo turret provides more accurate tool indexes with ability to use any combination of ID and OD live/static tool holders. The TMMi Series features a component isolation system that combats heat dissipation and spindle head growth. Advanced spindle technology with multiple V-belt design promotes higher power transfer and quieter operation. Equipped with brushless Yaskawa AC servo motors and Yaskawa drives.

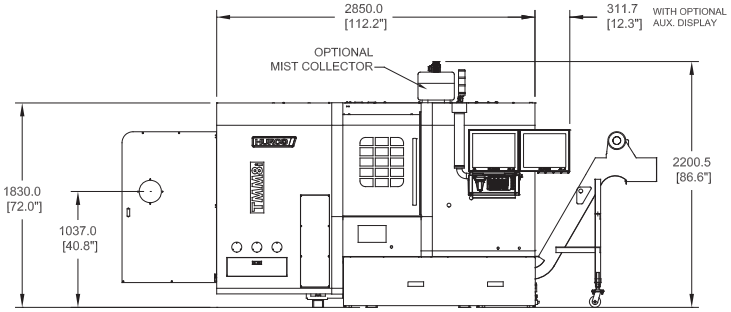
Machine specifications can be found on Pages 41-43

POWER & CAPACITY TMM8i

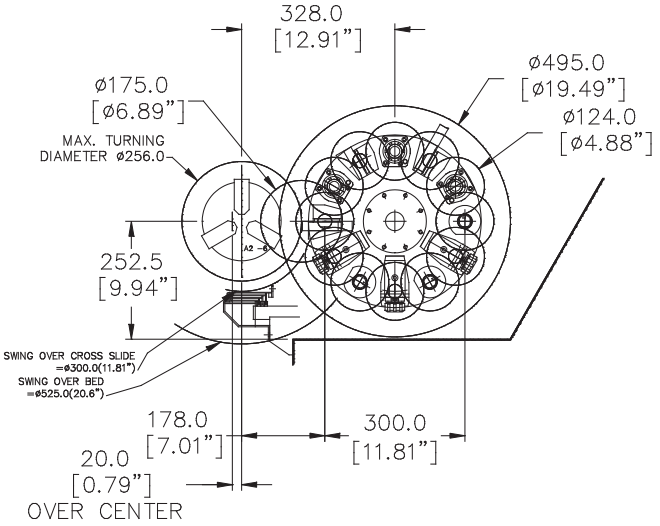
OPERATING DIMENSIONS



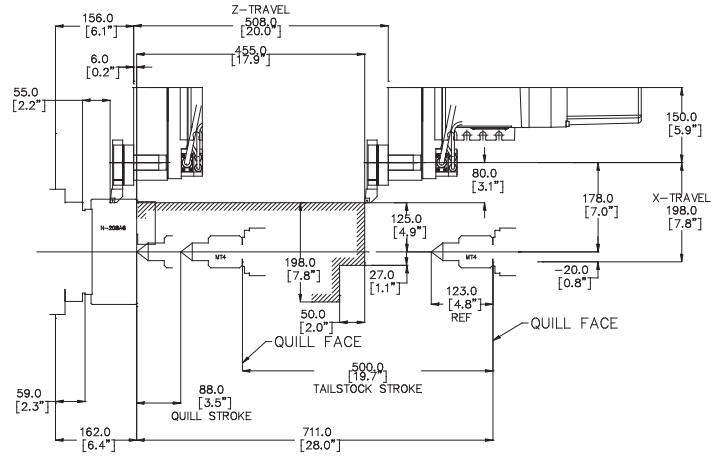


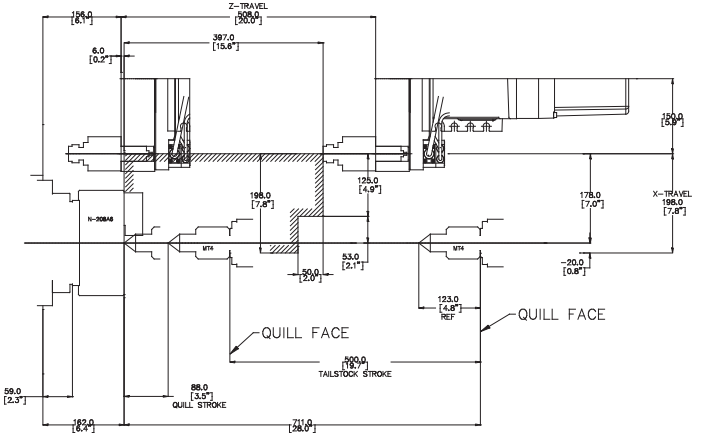


TOOL INTERFERENCE



OD TOOL TAILSTOCK INTERFERENCE





TMM10i

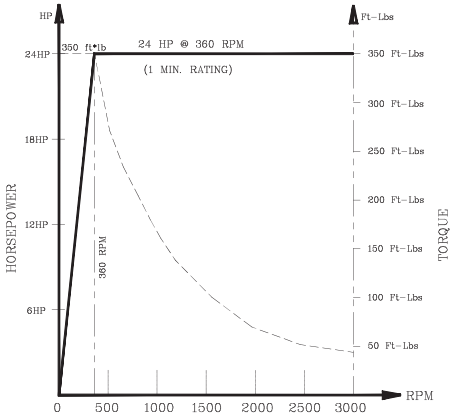
Save time—turn and mill on one machine.



Machine Overview

- True 30-degree slant-bed casting design promotes:
  - increased rigidity
  - larger turning capacity
  - efficient chip removal
- Maintenance-free cartridge spindle with permanently greased bearings
- Spindle harmonic control
- Standard tailstock mounted on heavy-duty box ways with live center
- All turret stations are live tooling stations
- Cast iron frame designed with Finite Element Analysis (FEA)
- Large ball screws minimize friction
  - 1.26 inches X-axis
  - 1.57 inches Z-axis
- Linear motion guideways on all axes:
  - less friction at higher speeds
  - easier and less expensive to replace
- Distance between guide ways promotes rigidity
  - 7.87 inches X-axis
  - 12 inches Z-axis
- Double-nut pre-loaded ball screws increase accuracy
- Bi-directional servo turret decreases tool index time

POWER & TORQUE



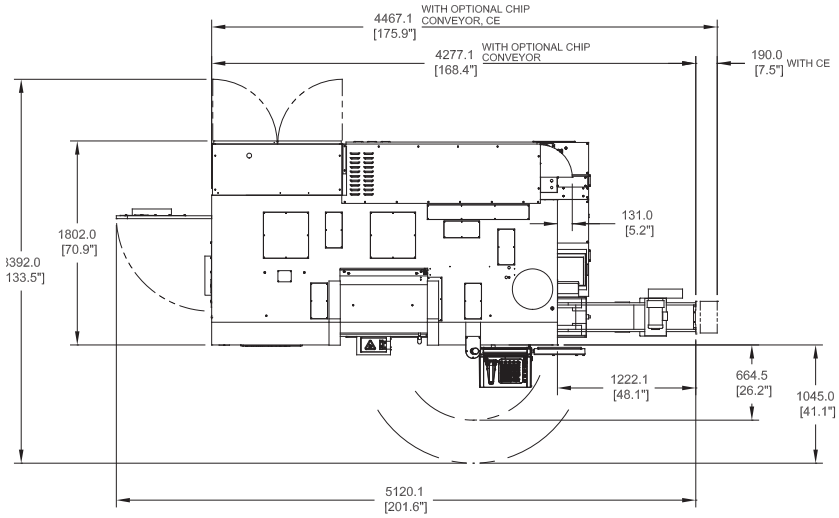
Base Speed 360 RPM, Max.Speed 3000 RPM
1 Min. Power Rating/Torque Rating=24 HP/350 Ft-Lbs

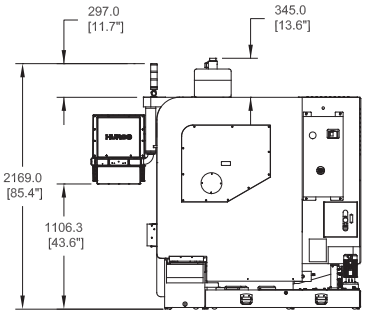
Live tooling. Premium components. Efficient design. Built to last. All 12-tool stations of the turret are live. The servo turret provides more accurate tool indexes with ability to use any combination of ID and OD live/static tool holders. The TMMi Series features a component isolation system that combats heat dissipation and spindle head growth. Advanced spindle technology with multiple V-belt design promotes higher power transfer and quieter operation. Equipped with brushless Yaskawa AC servo motors and Yaskawa drives.

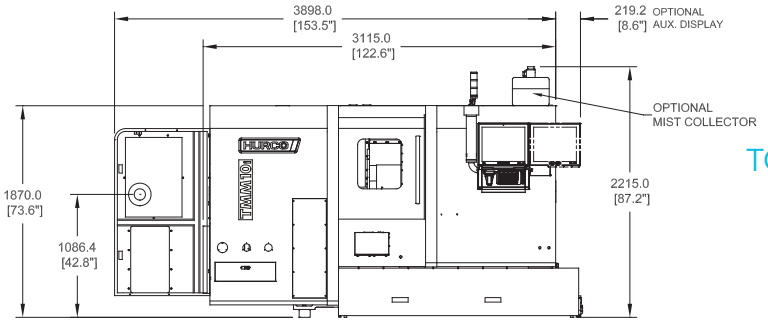
Machine specifications can be found on Pages 41-43

POWER & CAPACITY TMM10i

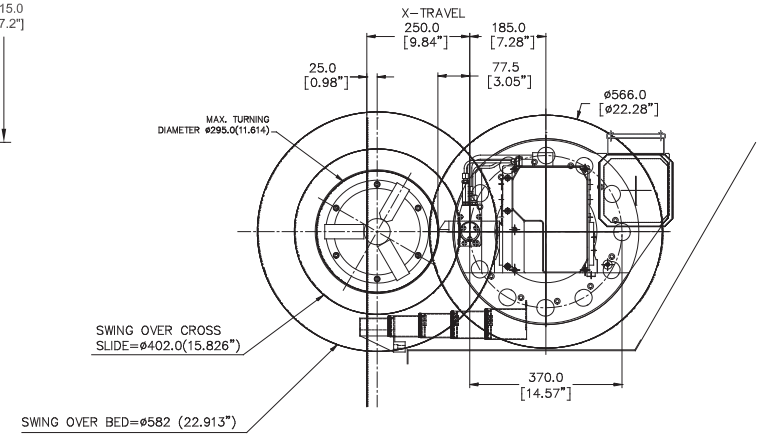
OPERATING DIMENSIONS



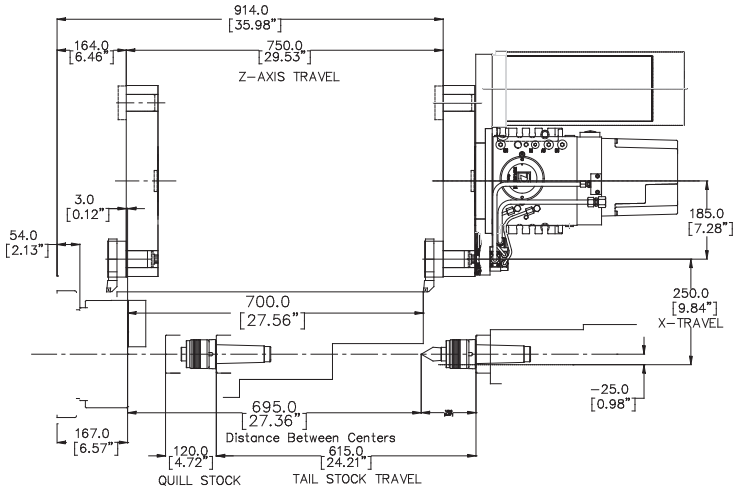


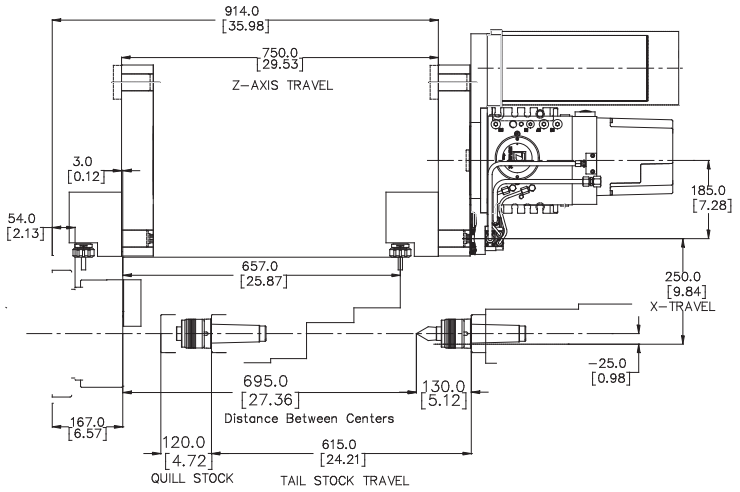


TOOL INTERFERENCE



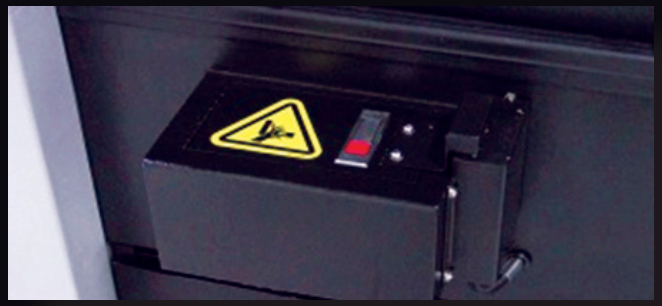
OD TOOL TAILSTOCK INTERFERENCE





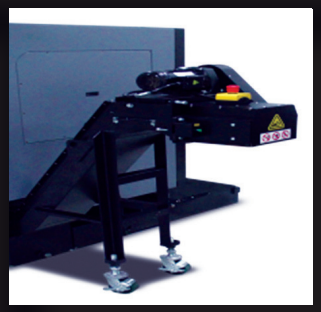
OPTIONAL ACCESSORIES

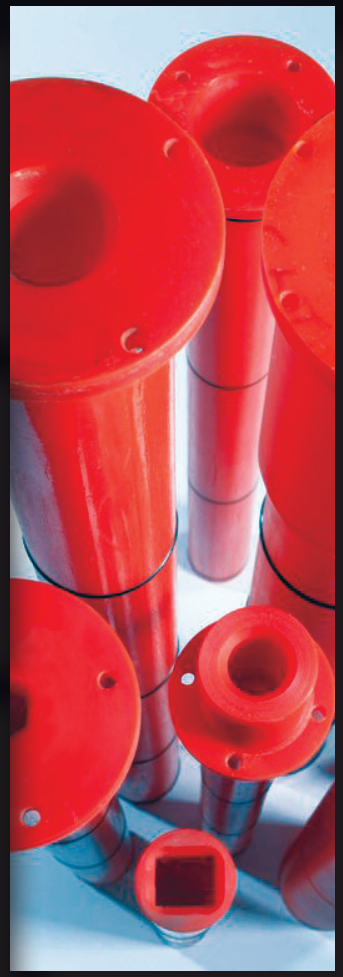
Hurco offers a variety of optional accessories for our Turning Centers.











- **Parts Catcher:** Air operated swing plate type parts catcher. Parts are transferred to an enclosed bin mounted outside the sliding access door. The kit includes an air pressure regulator, dryer, and lubricator.

- **Bar Feeder:** Increase productivity with a Hurco magazine-fed automatic bar feeder. The Hurco Bar Feeder handles bar diameters from 3/16" to 2-9/16" and can handle bar lengths of up to 48". Bars can be round or hexagonal. The bar feeder includes three pusher rods and has a max capacity of 460 lbs. This productivity-enhancing option can easily handle up to (25) 5/8" bars or ten 2-½" bars. The integrated PLC controller includes a remote control pendant for fast and easy setups.

- **Renishaw Tool Presetter:** This Tool Touch Probing package is a compact and robust tool setting probe, which utilizes a stylus touch application for accurate measurement of tool offset position and radius. Software for probe is for initial tool set only and will not support automatic in-process gauging.

- **Coolant System and Chip Removal:** A flood coolant system is standard equipment. The coolant is delivered to the tool station in use. The operator can control the coolant direction with adjustable coolant nozzles mounted on the tool turret. The optional chip conveyor can drastically reduce chip cleanup time and improve house-keeping. It increases productivity by keeping the spindle cutting, while chips are carried out of the machine with a barrel height chip conveyor. Easy front access is provided.

- **Trusty-Cook Spindle Liners:** Running 1" stock in a 3.0" spindle is like an Indy Car racing with 3 wheels – slow and expensive. A set of Trusty-Cook spindle liners is the performance upgrade that will have you making chips with speed and precision on any Hurco lathe the minute you install.

Designed and built for machinists.

The MAX5 Hurco control console is the epitome of user-centric design. We put together the concept, made a working sample, and tested it with customers with varying levels of experience. Their input during multiple usability tests resulted in 80 improvements to the design and functionality of the MAX5 control console. In the design world, it's called ergonomics and usability. We call it common sense. The MAX5 console from Hurco: Customer refined and customer approved!

The Industry's Most Flexible Control

- Industry Standard NC
- Conversational
- NC/Conversational Merge

WinMax®



» Override knobs with convenient one-press presets



» Buttons designed with tactile cues for enhanced usability



» Adjustable-angle keypad



» Flip-Out hook for hanging air nozzles + other tools



» Retractable QWERTY key-board with trackball



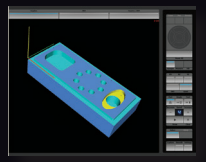
» Integrated flashlight



» Magnetic feet



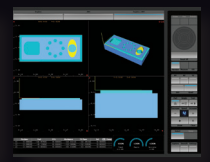
» 19-inch touch screen LCD with customizable view options.



Full graphics screen



Large DRO with mini graphics



Large graphics with mini DRO

» Webcam

» Additional coolant + air controls

» Dual USB ports

» Remote jog with LCD Digital Read Out lets you store data from the pendant

» Modes such as part setup + tool setup are available from jog units with LCD option



» Flashlight toggle button

» Wireless remote jog unit option

WINMAX® CONTROL

Our control. Your expertise.

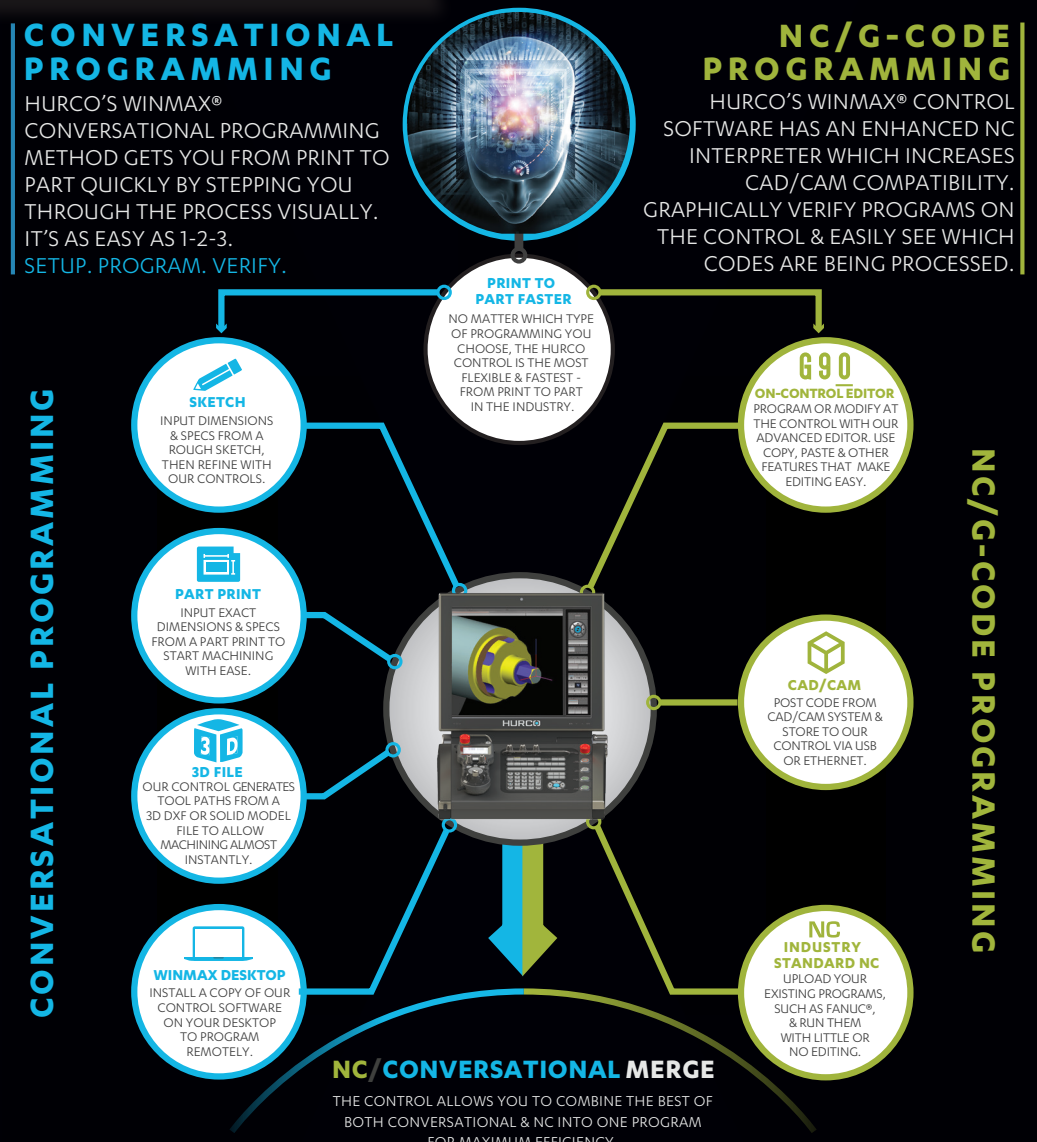
The integrated Hurco control powered by WinMax® is the most flexible and intuitive control in the industry. WinMax offers processing power and an intuitive graphical user interface that supports multiple machining strategies. Hurco Conversational Programming is the gold standard in the industry, and NC Programming includes many high-end features.

Go from print to part faster.

» **Conversational** programming simplifies complex operations. Easy to learn. Intuitive, user-friendly interface.

» **NC with ISO/EIA support** means you don't have to change a thing. Our control can do everything you're doing now and it has the processing speed and memory you need for NC.

» **NC/Conversational Merge** This Hurco feature combines the best of Industry Standard NC and Conversational. NC/Conversational Merge makes it easy to apply conversational features, such as pattern operations, scaling, tool probing, part probing, and unlimited work offsets, to existing NC programs. Patterns include loop rotate, loop translate, loop linear, loop angular, pattern locations, scale, and mirror image.





HURCO MACHINED PART

mind over metal®

YOUR EXPERTISE COMBINED WITH OUR CONTROL TO PRODUCE QUALITY PARTS.

WINMAX® Software / Features

Latest Features

- 3D Import
- 3D DXF
- AdaptiPath™
- Customizable View Options
- Dynamic Variable Look Ahead capable of up to 10,000 blocks (with UltiMotion®)
- DXF Scaling
- Fast Draw Graphics Engine
- Font Magnification
- Job List
- Mill Frame with Enhanced Corner Geometry
- Multiple Options to Store Tool
- NC Work Offsets with Conversational Programming
- Probing Results
- Relative Position DRO
- Roughing Stock Allowance
- Stick Lettering
- Tool Life Management
- TrueType® Fonts Along a Contour
- User Assigned Tool Pockets
- WinMax Desktop Complete

Programming

- 4th Axis Rotary Wrap
- 99 Work Offsets (NC)
- 99 Tool Offsets (NC)
- AutoCalc
- Autosave
- Blend Arcs
- Canned Cycle Blocks
- Chamfers
- Comment Block
- Concurrent Programming
- Context Sensitive Help
- Drill/Dwell Cycles (Chip Break + Peck)
- Drilling and Boring with Inserted Drill
- DXF Transfer
- Frame Mill
- Helical Interpolation
- Hole Operations – Tap, Drill, Center Drill, Dwell and Ream
- Inch/Metric Programming
- Indexer Routine
- Industry Standard NC (ISNC)
- Language Toggle
- Lines & Arcs
- Linear Repeat
- Mirror Image
- M-Code Auxiliary Functions
- NC/Conversational Merge
- NC Editor
- NC Macro Package (NCMP)
- NC Probing Cycles
- NC Productivity Package (NCPP)
- Pattern (Scaling, Rotation, Translation)
- On-screen User Prompt
- Optional Stop
- Parts Counter
- Part Zero Shift
- Peck Mill
- Program Manager Functions
- Program Parameters
- Program Review with Cut/Copy/Paste
- Programmable Safety Zones
- Rectangular Repeat
- Rigid Tap
- Roughing Stock Allowance
- Select Surface Finish Quality (SFQ)
- Serial Number (Letter & Part Serialization)
- Slots
- Speed and Feed Edit while Running
- Swept Surface with 3D Mold
- Thread Milling
- Tool Setup and Review with Graphics
- Tool & Material Library
- Tool Change Optimization
- TrueType® Lettering Package
- UltiPocket with Helical Ramp Entry
- Unlimited Work Offsets (Conversational)

Verification

- 3D Solid Rendering
- Automatic Error Check
- Advanced Verification Graphics with
- Data Block Search
- Graphics Display (Tool Path, Solids,
- Projection in 3 Planes, Isometric)
- Graphics Error Verification
- Graphics Scaling
- Graphics Zoom
- Real Time Tool Simulation
- Wire frame graphics of part geometry with zoom. Includes error verification

Operational

- 128GB Solid State Hard Drive
- 2.7 GHz Dual Core Processor
- 4GB RAM Memory
- Auto Interrupt Cycle
- Automatic Tool Home
- Control and Machine Diagnostics
- Coolant Select (Dual)
- Distance To Go
- Estimated Run Time
- Feed Hold Button
- Feedrate Override
- Inch/Metric Toggle
- Programmable Feedrate
- Spindle Load Monitor
- UltiMonitor®
- UltiMotion®



5-Axis

- 3D Tool Compensation
- Automatic Safe Repositioning
- Rotary Axes Centerline Probing
- Shortest Angular Traverse
- Tool Center Point Management
- Tool Path Linearization
- Transform Plane
- Tool Vector Canned Cycles
- Tool Vector Input & Retract
- Universal Rotary

New Feature:

3D Import with 3D DXF Technology

Hurco's 3D Import feature includes 3D DXF technology that now displays all CAD geometry, including splines and Z-depths.

- Integrated CAD/CAM and tool path simulation
- No need to enter feature dimensions – simply click and cut
- Transform Planes created automatically for easy 5-sided conversational programming – no data entry required

Lathe

- Auto Tool Nose Radius Compensation
- Bar Feed Cycle Blocks
- Bar Puller Data Block
- Constant Surface Speed, Selectable
- Cutoff Cycle Blocks
- Diameter/Radius Programming Modes
- Drill Tip Compensation
- Grooving Cycle- chamfer, radius, or square corners with ability to taper the groove walls from the on-screen menu
- ID/OD Profile Turning with face, turn, taper, arc with blend arcs or chamfers between elements
- Internal/External Chucking
- Lead-in and out angles, multi-start, constant or decreasing depth of cut.
- Thread Cycle Blocks – inside or outside(straight or tapered)
- Thread Repair
- Turret Index Control (Auto/Manual)
- Spindle Harmonic Control

STANDARD & OPTIONAL ITEMS	HTL8-60i	HTL10-60i	HTL12-40i	TM6i	TM8i	TM10i	TM12i	TM18i	TM18Li	TM18LBBi	TMM8i	TMM10i	TMX8i	TMX8MYi	TMX8MYSi	TMX10i	TMX10MYi	TMX10MYSi
LCD Remote Jog	O	O	O	O	O	O	O	O	O	O	O	O	S	S	S	S	S	S
Halogen work light	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Air gun assembly	—	—	—	O	O	O	S	S	S	S	O	O	S	S	S	S	S	S
Coolant gun assembly	—	—	—	O	O	O	S	S	S	S	O	O	S	S	S	S	S	S
Auto doors	—	—	—	O	O	O	O	O	O	O	—	—	O	O	O	O	O	O
Automatic central lubrication system	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Bar feeder	—	—	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Bar feeder interface (for non-Hurco bar feeders)	—	—	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Box way for tailstock	S	S	S	S	S	S	S	S	S	S	S	S	—	—	—	—	—	—
CE door switch assembly	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Chip conveyor	O	O	O	O	O	O	S	S	S	S	O	O	S	S	S	S	S	S
Main spindle hydraulic chuck, 3-jaw with soft jaws	S	S	S	S	S	S	S	S	S	S	S	S	O	O	O	O	O	O
Sub spindle hydraulic chuck, 3-jaw with soft jaws	—	—	—	—	—	—	—	—	—	—	—	—	—	—	S	—	—	S
Collet chuck	—	—	—	O	O	O	O	—	—	—	O	O	O	O	O	O	O	O
Anti-fatigue mat	—	—	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Flood coolant assembly	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
High pressure coolant (300 psi)	—	—	—	O	O	O	S	S	S	S	O	O	O	O	O	O	O	O
Linear guideways	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Mist collector assembly	—	—	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Oil skimmer	—	—	—	O	O	O	O	O	O	O	O	O	S	S	S	S	S	S
Parts catcher	—	—	—	O	O	O	O	—	—	—	O	O	O	S	S	O	S	S
Soft jaws, set of 3	—	—	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Hard jaws, set of 3	—	—	—	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
Spindle air and coolant blast	—	—	—	O	O	O	S	S	S	S	—	—	S	S	S	S	S	S
Spindle thermal chiller	—	—	—	—	—	—	—	—	—	—	—	—	S	S	S	S	S	S
Steady rest, hydraulic, self-centering	O	O	O	—	—	—	O	O	O	O	—	—	—	—	—	—	—	—
Tailstock, manual, programmable hydraulic quill	S	S	S	O	O	O	S	S	S	S	O	O	—	—	—	—	—	—
Tailstock, programmable	—	—	—	—	—	—	—	—	—	—	—	—	S	S	—	S	S	—
Tool pre-setter, Renishaw	—	—	—	O	O	O	S	S	S	O	O	O	O	O	S	O	O	S
Hydraulic turret	—	—	—	S 12 Station	S 12 Station	S 12 Station	S 12 Station	S 12 Station	S 12 Station	S 12 Station	—	—	—	—	—	—	—	—
Servo turret	S 8 Station	S 8 Station	S 8 Station	—	—	—	—	—	—	—	S 12 Station	S 12 Station	S 12 Station	S 12 Station	S 12 Station	S 12 Station	S 12 Station	S 12 Station

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SPECIFICATIONS

		HTL8-60I	HTL10-60I	HTL12-40I	TM6i	TM8i	TM10i	TM12i
CAPACITY	Distance between centers	67.1 in / 1,704 mm	67.9 in / 1,724 mm	45.6 in / 1,158 mm	15.8 in / 403 mm	23.5 in / 597 mm	28.9 in / 735 mm	39.6 in / 1,006 mm
	Swing over bed diameter	Ø 18.7 in / Ø 475 mm	Ø 23 in / Ø 584 mm	Ø 27 in / Ø 685 mm	15.94 in / 405 mm	20.6 in / 525 mm	22.9 in / 582 mm	26.8 in / 680 mm
	Swing over cross slide diameter	Ø 9.25 in / Ø 234 mm	Ø 12.1 in / Ø 307 mm	Ø 16.1 in / Ø 408 mm	9.45 in / 240 mm	11.8 in / 300 mm	15.8 in / 402 mm	20.1 in / 510 mm
	Maximum turning diameter	12.75 in / 323 mm (gap distance)	12.75 in / 323 mm (gap distance)	12.75 in / 323 mm (gap distance)	12.4 in / 316 mm	14 in / 356 mm	17.7 in / 450 mm	20.1 in / 510 mm
	Maximum turning length	59.1 in / 1501 mm	59.1 in / 1501 mm	39.3 in / 1,000 mm	13.4 in / 340 mm	20.6 in / 525 mm	29.9 in / 760 mm	39.4 in / 1,000 mm
	Maximum bar capacity	Ø 2.56 in / Ø 65 mm	Ø 3.22 in / Ø 81 mm	Ø 3.22 in / Ø 81 mm	1.77 in / 45 mm	2.6 in / 66 mm	3.19 in / 81 mm	4.2 in / 106 mm
TRAVEL	X-axis	11.4 in / 289 mm	13 in / 330 mm	13 in / 330 mm	7 in / 178 mm	8 in / 203 mm	9.8 in / 250 mm	12 in / 305 mm
	Z-axis	63.5 in / 1600 mm	63.5 in / 1600 mm	42 in / 1,066 mm	14 in / 356 mm	21.6 in / 550 mm	31.1 in / 790 mm	40 in / 1,016 mm
MAIN SPINDLE	Maximum speed low gear	—	—	—	—	—	—	—
	Maximum speed high gear	2,600 rpm	2,000 rpm	2,000 rpm	6,000 rpm	4,000 rpm	3,000 rpm	2,800 rpm
	Maximum torque low gear	—	—	—	—	—	—	—
	Maximum torque high gear	252 ft lbs / 341 Nm	336 ft lbs / 455 Nm	420 ft lbs / 569 Nm	84 ft lbs / 113 Nm	161.9 ft lbs / 219 Nm	258 ft lbs / 350 Nm	447 ft lbs / 606 Nm
	Spindle power	24 HP / 18 kW @ 500 rpm	24 HP / 18 kW @ 500 rpm	24 HP / 18 kW @ 500 rpm	17.5 hp / 13 kW @ 1,090 rpm	31.1 hp / 23.2 kW @ 1,000 rpm	29.5 hp / 22 kW @ 600 rpm	74 hp / 55 kW @ 870 rpm
	Spindle nose	D1-6	A2-8	A2-11	A2-5	A2-6	A2-8	A2-11
	Chuck diameter	8 in / 200 mm	10 in / 254 mm	12 in / 304 mm	6 in / 152 mm	8 in / 203 mm	10 in / 254 mm	12 in / 305 mm
TURRET	Tool type	Slotted disc	Slotted disc	Slotted disc	Slotted disc	Slotted disc	Slotted disc	Slotted disc
	Tool capacity	8 stations	8 stations	8 stations	12 stations	12 stations	12 stations	12 stations
	Tool shank	.75 x .75 in / 19 x 19 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	.75 x .75 in / 19 x 19 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm
	Maximum boring bar diameter	Ø 1.25 in / Ø 32 mm	Ø 1.5 in / Ø 38 mm	Ø 1.5 in / Ø 38 mm	1.25 in / 32 mm	1.5 in / 40 mm	1.5 in / 40 mm	1.5 in / 40 mm
	Turret index time - adjacent	.4 seconds	.45 seconds	.45 seconds	0.5 seconds	0.5 seconds	0.5 seconds	0.8 seconds (0.45 w/o clamping)
	Turret index time - furthest	1.4 seconds	1.6 seconds	1.6 seconds	1.5 seconds	1.5 seconds	1.5 seconds	1.85 seconds (1.5 w/o clamping)
SUB SPINDLE	Maximum speed	—	—	—	—	—	—	—
	Maximum torque	—	—	—	—	—	—	—
	Spindle power	—	—	—	—	—	—	—
LIVE SPINDLE	Maximum speed	—	—	—	—	—	—	—
	Maximum torque	—	—	—	—	—	—	—
	Spindle power	—	—	—	—	—	—	—
FEEDRATE	Rapid traverse X-axis	500 in / 13 m per min	500 in / 13 m per min	500 in / 13 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	748 in / 19 m per min
	Rapid traverse Z-axis	500 in / 13 m per min	500 in / 13 m per min	500 in / 13 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	945 in / 24 m per min
PARTS CATCHER	Part catcher dimensions	—	—	—	5.3 x 4.2 x 2.6 in / 135 x 106 x 65 mm	5.9 x 3.7 x 2.8 in / 150 x 95 x 70 mm	8.3 x 5 x 3.5 in / 210 x 127 x 88 mm	9.8 x 6.3 x 4.8 in / 250 x 160 x 123 mm
DIMENSIONS	Machine height	75.7 in / 1,922 mm	82.7 in / 2,100 mm	82.7 in / 2,100 mm	84.4 in / 2,144 mm	86 in / 2,185 mm	85.3 in / 2,167 mm	88.1 in / 2,239 mm
	Required floor space (width x depth)	184.1 x 122.3 in / 4,676 x 3,106 mm	165.4 x 90.2 in / 4,201 x 2,291 mm	144.5 x 90.2 in / 3,670 x 2,291 mm	147.1 x 99.4 in / 3,737 x 2,525 mm	169.1 x 107.4 in / 4,296 x 2,729 mm	191.2 x 112.4 in / 4,857 x 2,854 mm	234.3 x 132.6 in / 5,951 x 3,367 mm
	Machine weight (approx)	8,490 lbs / 3,850 kg	9,700 lbs / 4,399 kg	8,820 lbs / 4,000 kg	7,011 lbs / 3,180 kg	8,885 lbs / 4,030 kg	11,054 lbs / 5,014 kg	14,740 lbs / 6,700 kg

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SPECIFICATIONS

		TM18i	TM18Li	TM18LBBi	TMM8i	TMM10i
CAPACITY	Distance between centers	43.9 in / 1,116 mm	83.9 in / 2,132 mm	79.76 in / 2,026 mm	23.15 in / 588 mm	27.4 in / 695 mm
	Swing over bed diameter	33.5 in / 850 mm	33.5 in / 850 mm	33.5 in / 850 mm	20.7 in / 525 mm	22.9 in / 582 mm
	Swing over cross slide diameter	25.6 in / 650 mm	25.6 in / 650 mm	25.6 in / 650 mm	11.8 in / 300 mm	15.8 in / 402 mm
	Maximum turning diameter	25 in / 635 mm	25 in / 635 mm	25 in / 635 mm	10.1 in / 256 mm	11.6 in / 295 mm
	Maximum turning length	39.4 in / 1,001 mm	79.4 in / 2,017 mm	75.24 in / 1,911 mm	17.9 in / 455 mm	27.6 in / 700 mm
	Maximum bar capacity	6.5 in / 165 mm	6.5 in / 165 mm	10.8 in / 275 mm	2.04 in / 52 mm	3.07 in / 78 mm
TRAVEL	X-axis	17 in / 432 mm	17 in / 432 mm	17 in / 432 mm	7.8 in / 198 mm	9.8 in / 250 mm
	Z-axis	40 in / 1,016 mm	80 in / 2,032 mm	75.8 in / 1,926 mm	20 in / 508 mm	29.5 in / 750 mm
	Y-axis	—	—	—	—	—
	W-axis	40 in / 1,016 mm	80 in / 2,032 mm	75.8 in / 1,926 mm	—	—
MAIN SPINDLE	Maximum speed low gear	600 rpm	600 rpm	400 rpm	—	—
	Maximum speed high gear	1,600 rpm	1,600 rpm	650 rpm	4,800 rpm	3,000 rpm
	Maximum torque low gear	1,781 ft lbs / 2,415 Nm	1,781 ft lb / 2,415 Nm	2,886.1 ft lb / 3,913 Nm	—	—
	Maximum torque high gear	445 ft lbs / 604 Nm	445 ft lb / 604 Nm	721.8 ft lb / 978.6 Nm	258 ft lbs / 350 Nm	350 ft lbs / 474 Nm
	Spindle power	73 hp / 55 kW @ 870 rpm	73 hp / 55 kW @ 870 rpm	73 hp / 55 kW @ 134.3 rpm	18 hp / 13.2 kW @ 359 rpm	24 hp / 18 kW @ 360 rpm
	Spindle nose	A2-15	A2-15	A2-20	A2-6	A2-8
	Chuck diameter	18 in / 457 mm	18 in / 457 mm	22.8 in / 580 mm	8 in / 203 mm	10 in / 254 mm
TURRET	Tool type	Slotted disc	Slotted disc	Slotted disc	VDI 30	VDI 40
	Tool capacity	12 stations	12 stations	12 stations	12 stations	12 stations
	Tool shank	1.25 x 1.25 in / 32 x 32 mm	1.25 x 1.25 in/ 32 x 32 mm	1.25 x 1.25 in / 32 x 32 mm	.75 x .75 in / 19 x 19 mm	1 x 1 in / 25 x 25 mm
	Maximum boring bar diameter	2 in / 50.8 mm	2 in / 50.8 mm	2.5 in / 63.5 mm	1.25 in / 32 mm	1.5 in / 40 mm
	Turret index time - adjacent	1.5 seconds (1.0 w/o clamping)	1.5 seconds (1.0 w/o clamping)	1.5 seconds (1.0 w/o clamping)	.23 seconds	.31 seconds
	Turret index time - furthest	6.5 seconds (6.0 w/o clamping)	6.5 seconds (6.0 w/o clamping)	6.5 seconds (6.0 w/o clamping)	.70 seconds	.82 seconds
SUB SPINDLE	Maximum speed	—	—	—	—	—
	Maximum torque	—	—	—	—	—
	Spindle power	—	—	—	—	—
LIVE SPINDLE	Maximum speed	—	—	—	5,000 rpm	4,000 rpm
	Maximum torque	—	—	—	21 ft lbs / 28.5 Nm	31 ft lbs / 42 Nm
	Spindle power	—	—	—	6 hp / 4.4 kW @ 1,500 rpm	8.85 hp / 6.6 kW @ 1,500 rpm
FEEDRATE	Rapid traverse X-axis	787 inches / 20 m per min	787 in / 20 m per min	787 in / 20 m per min	750 in / 19 m per min	750 in / 19 m per min
	Rapid traverse Z-axis	787 inches / 20 m per min	787 in / 20 m per min	787 in / 20 m per min	945 in / 24 m per min	945 in / 24 m per min
	Rapid traverse Y-axis	—	—	—	—	—
	Rapid traverse W-axis	94.5 inches / 2.4 m per min	94.5 in / 2.4 m per min	94.5 in / 2.4 m per min	—	—
PART CATCHER	Part Catcher Dimensions	—	—	—	5.9 x 3.9 x 2.9 in / 150 x 99 x 73 mm	8.3 x 5 x 3.5 in / 210 x 126.7 x 88 mm
DIMESIONS	Machine height	99.4 in / 2,525 mm	99.5 in / 2,527 mm	99.5 in / 2,527 mm	83.7 in / 2,127 mm	85.4 in / 2,169 mm
	Required floor space (width x depth)	266.9 x 133.1 in / 6,778 x 3,380 mm	308 x 131.2 in / 7,824 x 3,332 mm	313.5 x 131.5 in / 7,962.7 x 3,340 mm	188.4 x 111.3 in / 4,787 x 2,826.8 mm	201.6 x 125 in / 5,120.1 x 3,179.3 mm
	Machine weight (approx)	25,245 lbs / 11,475 kg	30,074 lbs / 13,670 kg	35,032 lbs / 15,890 kg	8,819 lbs / 4,000 kg	11,023 lbs / 5,000 kg

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SPECIFICATIONS

		TMX8i	TMX8MYi	TMX8MYSi	TMX10i	TMX10MYi	TMX10MYSi
CAPACITY	Distance between centers	29.7 in / 754 mm	29.7 in / 754 mm	28.5 in / 724.5 mm	33.6 in / 854 mm	33.6 in / 854 mm	32.5 in / 825.5 mm
	Swing over bed diameter	25.2 in / 640 mm	20 in / 508 mm	20 in / 508 mm	25.2 in / 640 mm	22 in / 560 mm	22 in / 560 mm
	Swing over cross slide diameter	16.34 in / 415 mm	20 in / 508 mm	20 in / 508 mm	16.3 in / 415 mm	22 in / 560 mm	22 in / 560 mm
	Maximum turning diameter	14 in / 355 mm	10.9 in / 336 mm	10.9 in / 277 mm	16.3 in / 415 mm	12.4 in / 315 mm	12.4 in / 315 mm
	Maximum turning length	21.1 in / 535 mm	20.7 in / 527 mm	20.7 in / 527 mm	25 in / 635 mm	24.7 in / 627 mm	24.7 in / 627 mm
	Maximum bar capacity	2.6 in / 65 mm	2.6 in / 65 mm	2.6 in / 65 mm	3.07 in / 78 mm	3.07 in / 78 mm	3.07 in / 78 mm
TRAVEL	X-axis	8 in / 203 mm	8 in / 203 mm	11.4 in / 203.2 mm	9.15 in / 232.5 mm	8.76 in / 222.5 mm	8.76 in / 222.5 mm
	Z-axis	22 in / 560 mm	22 in / 560 mm	22 in / 560 mm	26 in / 660 mm	26.38 in / 670 mm	26.38 in / 670 mm
	Y-axis	—	4.4 in / 110 mm	4.4 in / 110 mm	—	4.4 in / 110 mm	4.4 in / 110 mm
	W-axis	25.2 in / 640 mm	25.2 in / 640 mm	25.2 in / 640 mm	29.1 in / 740 mm	29.1 in / 740 mm	29.1 in / 740 mm
MAIN SPINDLE	Maximum speed low gear	—	—	—	—	—	—
	Maximum speed high gear	4,500 rpm	4,500 rpm	4,500 rpm	3,500 rpm	3,500 rpm	3,500 rpm
	Maximum torque low gear	—	—	—	—	—	—
	Maximum torque high gear	178 ft lbs / 241.5 Nm	176.3 ft lb / 239 Nm	176.3 ft lb / 239 Nm	258.2 ft lb / 350 Nm	197.2 ft lb / 267.4 Nm	197.2 ft lb / 267.4 Nm
	Spindle power	37.3 hp / 27.8 kW @ 1,100 rpm	33.5 hp / 25 kW @ 1,000 rpm	33.5 hp / 25 kW @ 1,000 rpm	37.3 hp / 27.8 kW @ 758.8 rpm	37.6 hp / 28 kW @ 1,000 rpm	37.6 hp / 28 kW @ 1,000 rpm
	Spindle nose	A2-6	A2-6	A2-6	A2-8	A2-8	A2-8
	Chuck diameter	8 in / 203 mm	8 in / 203 mm	8 in / 203 mm	10 in / 254 mm	10 in / 254 mm	10 in / 254 mm
TURRET	Tool type	Slotted disc	BMT65 / DIN 1809	BMT65 / DIN 1809	Slotted Disc	BMT65 / DIN 1809	BMT65 / DIN 1809
	Tool capacity	12 stations	12 stations	12 stations	12 stations	12 stations	12 stations
	Tool shank	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm	1 x 1 in / 25 x 25 mm
	Maximum boring bar diameter	1.5 in / 40 mm	1.5 in / 40 mm	1.5 in / 40 mm	1.5 in / 40 mm	1.5 in / 40 mm	1.5 in / 40 mm
	Turret index time - adjacent	.12 seconds	.31 seconds	.31 seconds	.12 seconds	.31 seconds	.31 seconds
	Turret index time - furthest	.72 seconds	.78 seconds	.78 seconds	.72 seconds	.78 seconds	.78 seconds
SUB SPINDLE	Maximum speed	—	—	6,000 rpm	—	—	6,000 rpm
	Maximum torque	—	—	75.4 ft lb / 102.2 Nm	—	—	75.4 ft lb / 102.2 Nm
	Spindle power	—	—	20.1 hp / 15 kW @ 1,390 rpm	—	—	20.1 hp / 15 kW @ 1,390 rpm
LIVE SPINDLE	Maximum speed	—	4,000 rpm	4,000 rpm	—	4,000 rpm	4,000 rpm
	Maximum torque	—	20.4 ft lb / 27.6 Nm	20.4 ft lb / 27.6 Nm	—	20.4 ft lb / 27.6 Nm	20.4 ft lb / 27.6 Nm
	Spindle power	—	8.5 hp / 6.4 kW @ 2,190 rpm	8.5 hp / 6.4 kW @ 2,190 rpm	—	8.5 hp / 6.4 kW @ 2,190 rpm	8.5 hp / 6.4 kW @ 2,190 rpm
FEEDRATE	Rapid traverse X-axis	945 in / 24 m per min	945 in / 24 m per min	945 in / 24 m per min	945 in / 24 m per min	945 in / 24 m per min	945 in / 24 m per min
	Rapid traverse Z-axis	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min
	Rapid traverse Y-axis	—	472 in / 12 m per min	472 in / 12 m per min	—	472 in / 12 m per min	472 in / 12 m per min
	Rapid traverse W-axis	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min	1,181 in / 30 m per min
PARTS CATCHER	Part Catcher Dimensions	5.7 x 3.8 x 3.2 in / 146 x 96 x 80 mm	5.7 x 3.8 x 3.2 in / 146 x 96 x 80 mm	5.7 x 3.8 x 3.2 in / 146 x 96 x 80 mm	5.7 x 3.8 x 3.2 in / 146 x 96 x 80 mm	5.7 x 3.8 x 3.2 in / 146 x 96 x 80 mm	5.7 x 3.8 x 3.2 in / 146 x 96 x 80 mm
DIMENSIONS	Machine height	86.1 in / 2,187 mm	100.5 in / 2,552 mm	100.5 in / 2,552 mm	86.1 in / 2,187 mm	101.5 in / 2,577 mm	101.5 in / 2,577 mm
	Required floor space (width x depth)	206.9 x 124.4 in / 5,255.5 x 3,160.4 mm	209.9 x 132.5 in / 5,532 x 3,365 mm	209.9 x 137.2 in / 5,532 x 3,485 mm	206.9 x 124.3 in / 5,255.5 x 3,157.4 mm	209.9 x 132.5 in / 5,331.5 x 3,365 mm	209.9 x 137.2 in / 5,331.5 x 3,485 mm
	Machine weight (approx)	13,000 lb / 5,900 kg	16,500 lb (7,500 kg)	16,500 lb (7,500 kg)	13,420 lb / 6,100 kg	16,976 lb (7,700 kg)	16,976 lb (7,700 kg)

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PRODUCT NOTES

A History of Innovation

Hurco has been advancing the manufacturing industry for over 50 years. From the first computer controlled back gauge in 1969 to our patented UltiMotion system, we are dedicated to technology innovation that makes manufacturing more efficient and manufacturing companies more profitable.



1968 Hurco founded by Edward Humston and Gerald Roch

1969 First product introduced (Autobend). Hurco exhibits first computer controlled back gauge.



1971 Hurco becomes publicly held company (Nasdaq: HURC)

1974 Hurco demonstrates first computer numerically controlled (CNC) mill at IMTS

1976 Hurco invents Conversational Programming

1978 First CNC mill Introduced (KM1)



1979 Hurco Europe established

1984 UltiMax control introduced



1986 BMC machining centers introduced



1987 UltiMax 2 control introduced



1988 Hurco Germany established

1991 Hurco France established

Hurco Southeast Asia established

Hurco opens new international headquarters



1992 DXF Transfer invented

1995 IMS Technologies established to oversee patent licensing

UltiMax 3 control introduced

1996 MAX single-screen control introduced



1997 VMX machining centers introduced

HURCO®

mind over metal®

1998



UltiMax 4 control introduced

1999

Hurco Italy established

Hurco Manufacturing Ltd established

2000



WinMax Desktop software released

2003

VM machining centers introduced



First Hurco 5-axis machine introduced



2004



TM turning centers introduced

2005

Record sales

2006



WinMax control software released

TMM turning centers with live tooling introduced

SR 5-axis machining centers introduced

Record sales

2008

Hurco India established

TMX turning centers introduced

U-Series 5-Axis machining centers expanded

DCX double column machining centers introduced



2010



TM and TMX Series expanded to include heavy-duty turning and multi-axis

Hurco invents UltiMotion®

Hurco China established

2012

Global rebranding initiative launched

New “i” series machine design introduced

HSi high speed machining centers introduced

SRTi 5-axis machines introduced



2013

Hurco acquires LCM

USA machine assembly operation established

2014

HBMXi boring mills introduced



2015



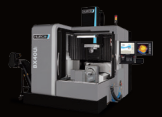
MAX5 control introduced

Hurco acquires Milltronics and Takumi

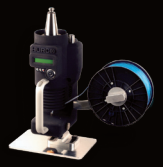
2016

Record sales

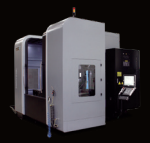
BXi machining centers introduced



3D print head introduced



2017



HM horizontal machining centers introduced

Record sales

2018

50th Anniversary

Nasdaq Closing Bell Ceremony



Record sales

HURCO.com

MACHINING CENTERS / TURNING CENTERS / 5-AXIS / DOUBLE COLUMN / BORING MILLS

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