

TURNING CENTERS

[International LT, BT and BTX Series]



High Efficiency CNC Turn-Mill Centers





World Class CNC Machine Tool Manufacturer

A YCM Alliance Partner

Founded in 1954, the YCM company specializes in the manufacturing of High-Speed Vertical Machining Centers & Versatile Turning Centers and is recognized worldwide for technological advancements, manufacturing capabilities and superior product design. Since its founding, YCM machines are relied upon by quality conscious customers who have become accustomed to their uncompromising performance and renowned reliability. YCM products are unique and represent a differentiated approach to machine design.



Make it Better, Together.

Quality, Precision, Speed, and Reliability

The YCM Turning Centers deliver top-end quality and excellent value. Every machine tool is precision built and hand crafted for rigidity, thermal stability, and repeatability. These products produce consistent high-quality results from the first part to the last.

Rigid Design

During the design process, Finite Element Analysis (FEM) is used to ensure the best placement of mass and rib structures to provide constant stability under the intensive load of heavy-duty cutting. High quality, rugged machine castings ensue high stiffness, rigidity, and vibration dampening that results in superior thermal stability, and cutting performance.

Robust Spindle Design

The spindle is the critical union between the machine, cutting tool, and workpiece. At YCM, we test every spindle to ensure optimum performance and longevity that results in overall machine quality and reliability.

Designed for Versatility

The YCM Turning Centers are designed with versatility in mind. These platforms are ideal for the demands of shops performing general to high-end parts machining across a large spectrum of industries, including job-shop, automotive, medical, energy, and more.

Make it Better, Together

**TURNING
CENTERS**

State of the Art Foundry

YCM Machine Tools are Built From the Ground Up

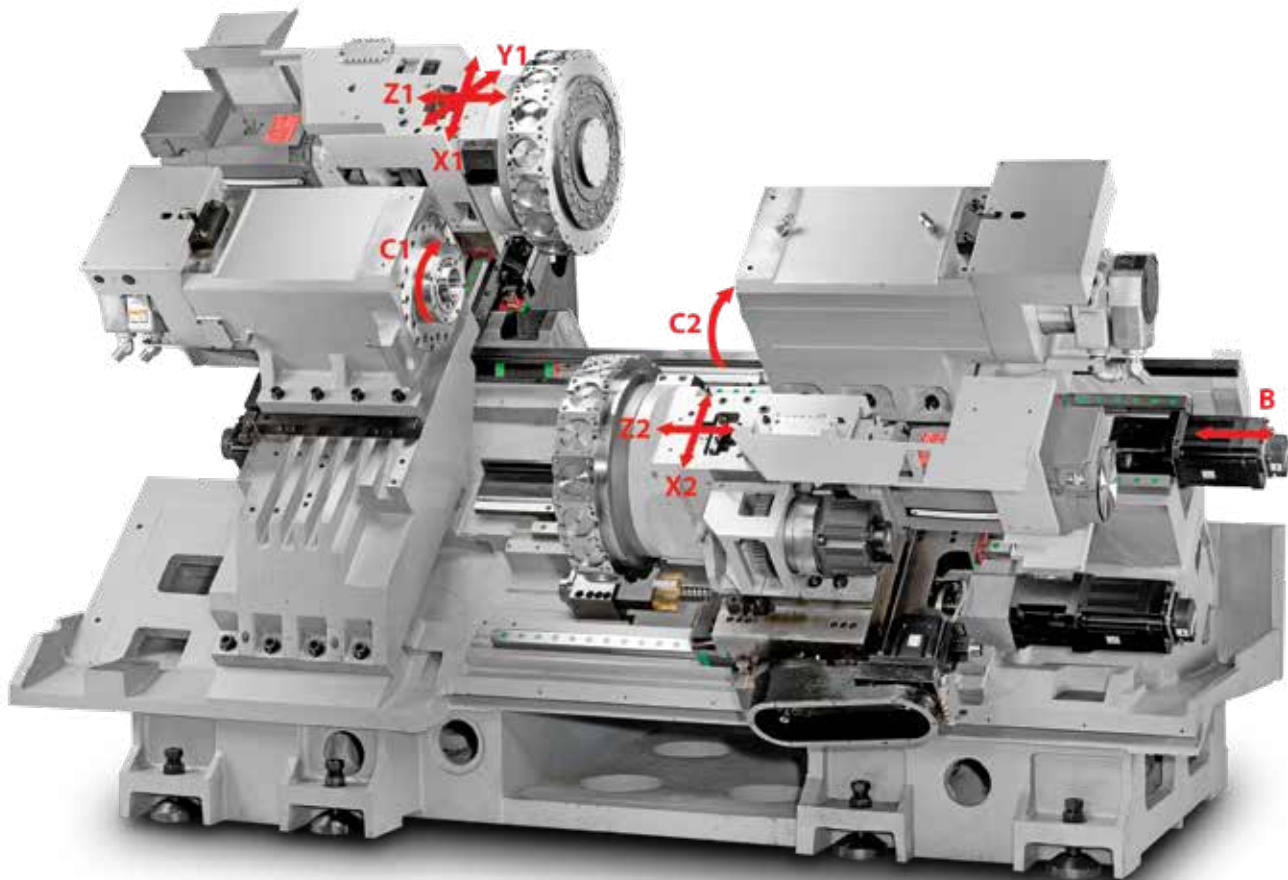
Unlike many machine tool manufacturers that purchase components and merely assemble them, YCM is a true machine tool builder. This commitment to quality begins at the YCM foundry where the heart of every machine – the base, is perfectly cast resulting in a rigid Meehanite® casting. All mating surfaces are then hand scraped by expert craftsmen. This establishes a quality base which is precise, rigid, and very stable. This build process is inherent with every YCM machine tool produced.

- Castings are poured at the YCM factory.
- Advanced Karl Fischer moisture and pH metering.
- Spectrum analysis to ensure consistent quality.
- Annealing and aging process to relieve casting stress.
- All mating surfaces are handcrafted.



Synchronized for Balanced Cutting

- The Twin Turn L8-SY1 features Synchronization for Balanced Cutting allowing for pinch turning and threading operations with both upper and lower turrets reducing cycle time up to 30%.





L6-M



International LT Series

Robust One-Piece Base Structure

- One-piece 45° slant bed design made from high quality Meehanite® cast-iron helps with distribution of cutting forces throughout the machine bed providing better absorption of vibration and reduced structural deformation, while also enhancing chips and coolant flow.



Spindle Benefits

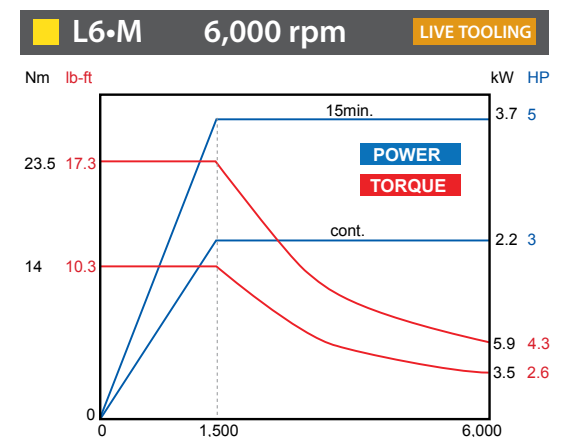
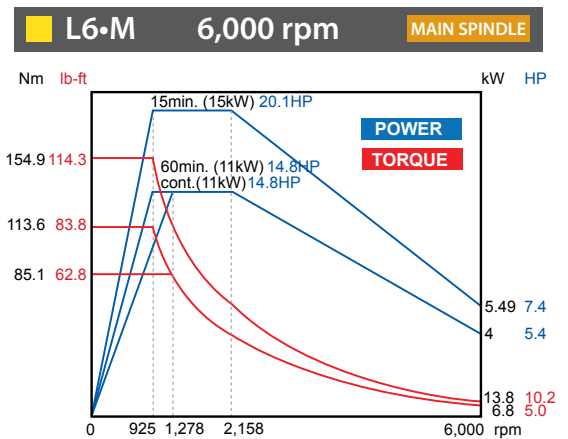
- Featuring a 6" chuck, $\phi 2.47"$ ($\phi 52$ mm) bar capacity spindle and expanded travel of Z-axis providing a spacious working area for large workpiece up to $\phi 10" \times 23.62"$ ($\phi 254 \times 600$ mm). The turning center is equipped with up to 20.1 hp (15 kW) spindle with rotation of up to 6,000 rpm.

BMT45 Turret with Live Tooling

- The BMT45 turret ensures a fast and stable rotation of up to 6,000 rpm and outputs 5.0 hp (3.7 kW). The 12-station servo-driven turret provides high reliability and reduces tool change time.

Tailstock

- The MT4 tailstock has 3.93" (100 mm) of quill stroke with a quill diameter of 2.95" (75 mm) and a stroke of 19.68" (500 mm) allowing long shaft work to be performed on this versatile machine.



MACHINING RANGE

Swing Over Bed	ø21.65" (ø550 mm)
Std. Turning Diameter (Max.)	ø8.0" (ø10.0") ø200 (ø254 mm)
Max. Turning Length	23.62" (600 mm)

SPINDLE

Spindle Speed	6,000 rpm
Max. Spindle Motor Power	20.1 hp (15 kW)
Max. Spindle Torque	83.8 ft-lb (113.6 Nm)
Chuck Size	6"
Bar Capacity	2.47" (52 mm)

TRAVEL

X-Axis Travel	6.96" (177 mm)
Z-Axis Travel	23.62" (600 mm)

FEEDRATE

Rapid Feedrate (X/Z)	1,181 / 1,417 ipm (30 / 36 m/min)
Cutting Feedrate (X/Z)	0.04~394 ipm (1~10,000 mm/min)

TURRET

Tool Standard	BMT45
Tool Capacity	12T
Shank Height for Square Tool	□ .787" (□ 20 mm)
Shank Diameter for Boring Bar	ø1.25" (ø32 mm)
Live Tooling	60~6,000 rpm

TAILSTOCK

Type	Manual
Quill Taper	MT4

COOLANT

Tank Capacity	43.5 gal (163 L)
---------------	------------------

GENERAL

Machine Weight	8,598 lb (3,900 kg)
----------------	---------------------

- A2-5, 20.1 hp, 6,000 rpm Spindle, Belted Type w/6" Chuck
- 2.047" (52 mm) Bar Capacity Spindle
- 12 Station BMT45
- 6,000 rpm Live Tooling Turret
- Tailstock, Chip Conveyor
- Includes 4-Live Tool Holders (2 Axial, 2 Radial)
- Includes 8 Static Tool-holders, 14 Boring Sleeves, 13 Tool Sleeves and 3 MT Drill Sleeves: 1-Face TH, 1-Cutoff TH, 2-OD TH, 4-BB TH, Boring Tool Sleeves Φ1/4", 5/16", 3/8", 1/2", 5/8", Eight 3/4", 1", Tool Sleeves Φ1/4", 5/16", 3/8", 1/2", 5/8", 3/4", Seven 1", MT Drill Sleeves MT1, MT2, MT3
- Fanuc TXP-200FB+ Control

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. to improve the performance of the machine without notice. All specifications shown above are for reference.

L8-SY



Turret Benefits

- Designed with one, 16 station turret allowing up to 16 fully driven tool positions. This allows the completion of complex parts with a huge range of tooling options to best suit your work piece requirements.

Increased Stability with 90° Structure

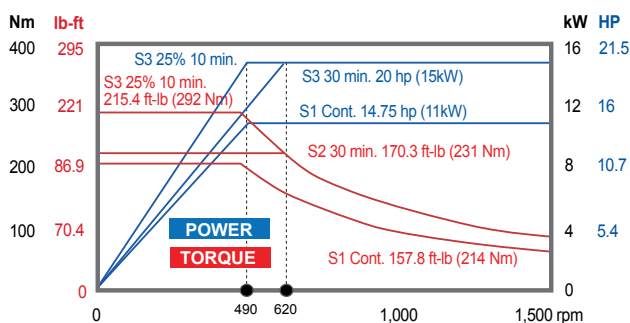
- The special structure design of the L8-SY series uses a rigid 90° angle for the turret carriage so you maintain superb rigidity and stability during machining. Additionally, this allows you to use a simpler control specification, reducing programming complexity and saving your money at the same time.

High Efficiency and Productivity

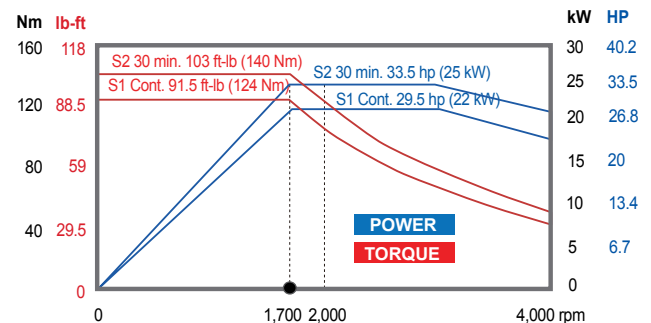
- Packed with 4,000-rpm twin spindles, Y-axis, 16 station live tool turret, C-axis, chip conveyor, and bar feed interface, this machine allows the completion of complex finished parts machining in just one setup, while also improving efficiency, accuracy, and profitability.



Low Speed Winding SPINDLE 1 & SPINDLE 2



High Speed Winding SPINDLE 1 & SPINDLE 2



MACHINING RANGE

Swing Over Bed	ø32.67" (ø830 mm)
Std. Turning Diameter (Max.)	ø8.26" (ø12.79") ø210 (ø325 mm)
Max. Turning Length	22.04" (560 mm)

SPINDLES

Spindle Speed (Spindle 1 & 2)	4,000 rpm
Max. Spindle Motor Power (Spindle 1 & 2)	33.5 hp (25 kW)
Max. Spindle Torque (Spindle 1 & 2)	215.4 ft-lb (292 Nm)
Chuck Size (Spindle 1 & 2)	8"
Bar Capacity (Spindle 1 / 2)	3.07" (78 mm) / 2.55" (65 mm)

TRAVEL

X-Axis Travel	8.85" (225 mm)
Y-Axis Travel	+1.97" / -1.97" (+50 / -50 mm)
Z-Axis Travel	25.04" (636 mm)
B-Axis Travel	27.185" (690.5 mm)

FEEDRATE

Rapid Feedrate (X / Z / Y / B)	630 / 1,575 / 236 / 1,575 ipm (16 / 40 / 6 / 40 m/min)
Cutting Feedrate (X / Z / Y / B)	0.04~394 ipm (1~10,000 mm/min)

TURRET

Tool Standard	BMT65
1 Turret Capacity	16T
Shank Height for Square Tool	□1.0" (□25 mm)
Shank Diameter for Boring Bar	ø1.0" (ø25 mm)
Live Tooling	60~6,000 rpm

COOLANT

Tank Capacity	85 gal (325 L)
---------------	----------------

GENERAL

Machine Weight (w/Chip Conveyor)	17,637 lb (8,000 kg)
----------------------------------	----------------------

- Twin A2-6, 33.5 hp, 4,000 rpm, Built-in Spindles w/8" Chucks
- Spindle – 1 w/3.07" (78 mm) Bar Capacity
- Spindle – 2 w/2.55" (65 mm) Bar Capacity
- One Upper 16 Station BMT65 w/Y-Axis
- 6,000 rpm Live Tooling Turret
- Parts Gripper w/Parts Conveyor, Chip Conveyor
- Includes 12 Tool-holders and 12 Tool Sleeves: 1-Double Hole ID TH, 4-Single Hole ID TH, 1- Cutoff TH, 5-OD TH, 1-Cross Side TH, Tool Sleeves Ø1/4", 5/16", 3/8", 1/2", 5/8", 3/4" each of 2pcs
- Fanuc Type 0iTF Control.



Note: The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. to improve the performance of the machine without notice. All specifications shown above are for reference.

B8-SY



International BT Series

Robust One-Piece Base Structure

- One-piece 30° slant bed design made from high quality Meehanite® cast-iron. Turcite-B on X/Z-axis provides superior rigidity, low friction coefficient, reduced vibration, and superior damping characteristics without stick-slip, while still maintaining machining accuracy.

Big Hole Through Spindle

- It features an 8" chuck, $\varnothing 2.6"$ ($\varnothing 66$ mm) hole through draw tube and expanded travel of Z-axis that means a spacious working area is provided for large workpiece up to $\varnothing 12.2" \times 22.44"$ ($\varnothing 310 \times 570$ mm). The turning center is equipped with up to 40.2 hp (30 kW) spindle with rotation of up to 5,000 rpm.

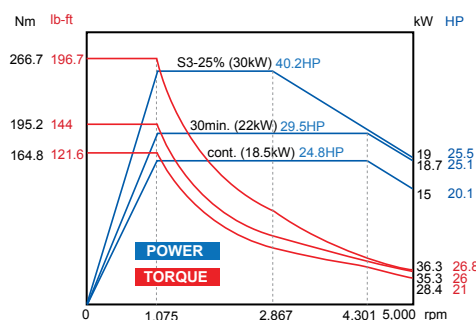
Integrated Sub Spindle and Y-axis for Complete Part Machining

- The orthogonal design applied on Y-axis maintains machining accuracy during complex off center milling, drilling and tapping in a single setup. 6" sub spindle with up to 14.8 hp (11 kW) motor can generate rotation speed up to 6,000 rpm. The combination of sub spindle, Y-axis, C-axis and live tool turret allow the complete machining of complex parts in a single setup improving efficiency and accuracy due to less part handling. The sub spindle incorporates a rotary encoder, ensuring high resolution positioning and repeatability for done-in-one part machining processes.

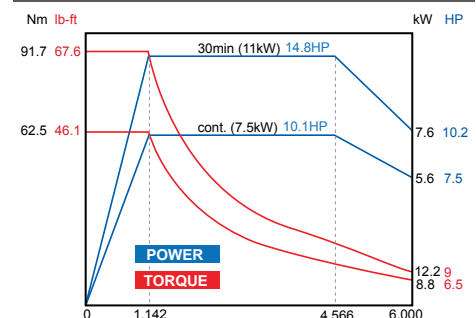
BMT55 Turret with Live Tooling

- The BMT55 turret ensures a fast and stable rotation of up to 4,000 rpm and outputs 5.0 hp (3.7 kW). The 12-station servo-driven turret provides high reliability and reduces tool change time.

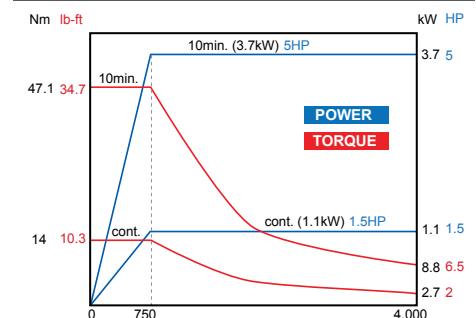
B8-SY 5,000 rpm MAIN SPINDLE



B8-SY 6,000 rpm SUB SPINDLE



B8-SY 4,000 rpm LIVE TOOLING



MACHINING RANGE

Swing Over Bed	ø27.95" (ø710 mm)
Max. Turning Diameter	ø12.2" (ø310 mm)
Max. Turning Length	22.44" (570 mm)

SPINDLE

Spindle Speed – Main / Sub	5,000 rpm / 6,000 rpm
Max. Spindle Motor Power – Main / Sub	Main: 40.2 hp (30 kW) Sub: 14.8 hp (11 kW)
Max. Spindle Torque – Main / Sub	196.5 / 67.6 lb-ft (266.4 / 91.6 Nm)
Chuck Size – Main / Sub	8" / 6"
Bar Capacity – Main / Sub	ø2.6" / ø1.77" (ø66 / ø45 mm)

TRAVEL

X-Axis Travel	6.3" (160 mm)
Y-Axis Travel	+1.97" / -1.57" (+50 / -40 mm)
Z-Axis Travel	22.44" (570 mm)
B-Axis Travel	25.59" (650 mm)

FEEDRATE

Rapid Feedrate (X / Z / Y / B)	1,181 / 1,417 / 394 / 787 ipm (30 / 36 / 10 / 20 m/min)
Cutting Feedrate (X / Z / Y / B)	0.04~394 ipm (1~10,000 mm/min)

TURRET

Tool Standard	BMT55
Tool Capacity	12T
Shank Height for Square Tool	□ 1.0" (□ 25 mm)
Shank Diameter for Boring Bar	ø1.57" (ø40 mm)
Live Tooling	100–4,000 rpm

COOLANT

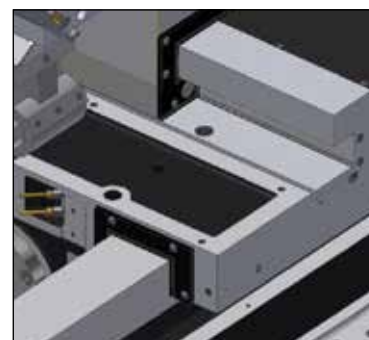
Tank Capacity	92.47 gal (350 L)
---------------	-------------------

GENERAL

Machine Weight (w/Chip Conveyor)	13,889 lb (6,300 kg)
----------------------------------	----------------------

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. to improve the performance of the machine without notice. All specifications shown above are for reference.

- Main Spindle w/40.2 hp, 5,000 rpm, A2-6, w/8" Chuck, 2.6" (66mm) Bar Capacity, and Belted Type
- Sub Spindle w/14.8 hp, 6,000 rpm, A2-5, w/6" Chuck, 1.77" (45 mm) Bar Capacity, and Belted type
- One Upper 12 Station BMT55 Turret and Y-Axis
- 4,000 rpm Live Tooling Turret
- Chip Conveyor
- Includes 4-Live Tool Holders (2 Axial, 2 Radial)
- Includes 11 Static Tool-holders, 13 Boring Sleeves, 14 Tool Sleeves and 3 MT Drill Sleeves: 1-Face TH, 1-Cutoff TH, 3-OD TH, 1-Dual OD TH, 5-BB TH, Boring Tool Sleeves Φ 1/4", 5/16", 3/8", 1/2", 5/8", Two 3/4", Two 1", Tool Sleeves Φ Two 1/4", Two 5/16", Two 3/8", Two 1/2", Two 5/8", Three 3/4", 1", Two 1 1/4", MT Drill Sleeves MT1, MT2, MT3
- Fanuc TXP-200FB+ Control



L8-SY1



Robust One-Piece Base Structure

- One-piece 45° slant bed design enhances rigidity and precision as well as ensuring an excellent surface finish. These castings are stress relieved to ensure long term, deformation free performance. The castings are also heavily ribbed to minimize vibration and increase structural strength while still maintaining machining accuracy.

Twin Spindles Twin Turrets

- Featuring twin 4,000 rpm, 33.5 hp (25 kW) spindles, Spindle-1 w/3.07" (78 mm) bar capacity, Spindle-2 w/2.55" (65 mm) bar capacity, combined with twin BMT65 16-position upper and lower 6,000rpm live tool turrets, allowing the operation, and completion of the most complex components in a single setup.

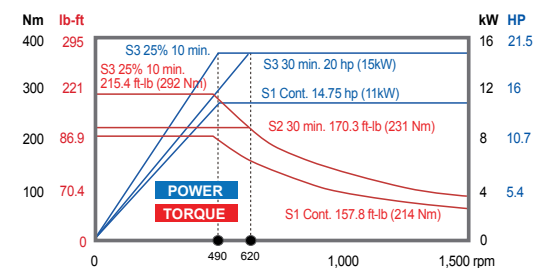
Orthogonal Y-axis for Complete Part Machining

- The Y-axis orthogonal design maintains machining accuracy during complex off center milling, drilling and tapping operations while improving efficiency and accuracy due to less part handling for done-in-one part machining processes in a single setup.

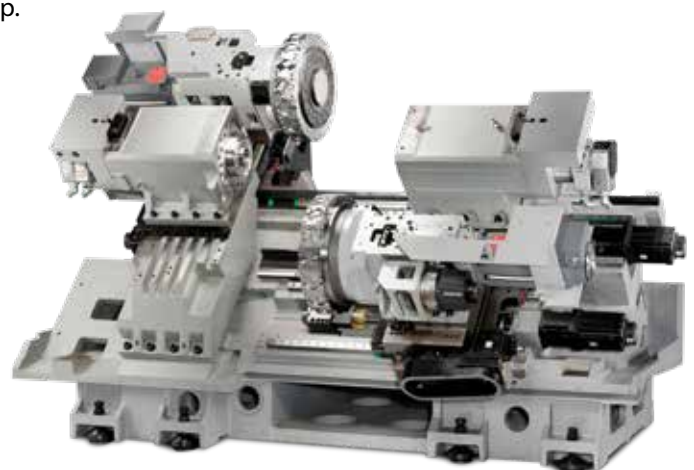
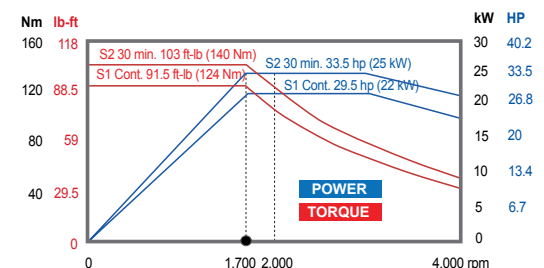
Live Tool Turret Chiller and Oil Mist Lubrication Systems

- The efficient chiller system helps to avoid thermal deformation and the integrated oil mist lubrication system constantly renews the oil which is a significant advantage over older grease-based lubrication systems that need to be regularly cleaned and replaced. These enhancements make sure the turrets run smoothly for years.

Low Speed Winding SPINDLE 1 & SPINDLE 2



High Speed Winding SPINDLE 1 & SPINDLE 2



MACHINING RANGE

Swing Over Bed	ø32.67" (ø830 mm)
Max. Turning Diameter (Max.)	ø8.26" (ø14.17") ø210 mm (ø360 mm)
Max. Turning Length	16.339" (415 mm)

SPINDLES

Spindle Speed – 1 & 2	4,000 rpm
Max. Spindle Motor Power – 1 & 2	33.5 hp (25 kW)
Max. Spindle Torque	215.4 ft-lb (292 Nm)
Chuck Size – 1 & 2 (Opt.)	8"
Bar Capacity	Spindle 1: 3.07" (78 mm) Spindle 2: 2.55" (65 mm)

TRAVEL

X1 & X2-Axis Travel	8.95" / 9.075" (227.5 / 230.5 mm)
Y-Axis Travel	+1.97" / -1.97" (+50 / -50 mm)
Z1 & Z2-Axis Travel	15.04" / 15.04" (382 / 382 mm)
B-Axis Travel	20.86" (530 mm)

FEEDRATE

Rapid Feedrate (X / Z / Y / B)	630 / 1,575 / 236 / 1,575 ipm (16 / 40 / 6 / 40 m/min)
Cutting Feedrate (X / Z / Y / B)	0.04~394 ipm (1~10,000 mm/min)

TURRET

Tool Standard	BMT65
2 Turret Capacity	16T / 16T
Shank Height for Square Tool	□ 1.0" (□ 25 mm)
Shank Diameter for Boring Bar	ø1.0" (ø25 mm)
Live Tooling	60–6,000 rpm

COOLANT

Tank Capacity	95 gal (360 L)
---------------	----------------

GENERAL

Machine Weight (w/Chip Conveyor)	22,707.6 lb (10,300 kg)
----------------------------------	-------------------------

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. to improve the performance of the machine without notice. All specifications shown above are for reference.

- Twin Spindles w/A2-6, 33.5 hp, 4,000rpm Built-in Type
- Spindle – 1 w/3.07" (78 mm) Bar Capacity, 8" Chuck (Opt.)
- Spindle – 2 w/2.55" (65 mm) Bar Capacity, 8" Chuck (Opt.)
- Twin 6,000 rpm Live Tool, 16 Station, BMT65 Turrets (One Upper w/Y-Axis, One Lower)
- Parts Gripper w/Parts Conveyor
- Chip Conveyor
- Glass Scales on X1, X2, Y1
- Includes 23 Tool-holders and 24 Tool Sleeves: 2-Double Hole ID TH, 8-Single Hole ID TH, 1- Cutoff TH, 10-OD TH, 2-Cross Side TH, Tool Sleeves Ø1/4", 5/16", 3/8", 1/2", 5/8", 3/4" each of 4 pcs
- Fanuc 32i Control



B10-SY



International BTX Series

Robust One-Piece Base Structure

- One-piece 30° slant bed design made from high quality Meehanite® cast-iron. Turcite-B on X/Y/Z-axis provides superior rigidity, low friction coefficient, reduced vibration, and superior damping characteristics without stick-slip, while still maintaining machining accuracy.

Big Hole Through Spindle

- It features a 10" chuck, $\phi 3.07"$ ($\phi 78$ mm) of hole through draw tube and expanded travel of Z-axis that means a spacious working area is provided for large workpiece up to $\phi 13.77" \times 28.70"$ ($\phi 350 \times 729$ mm). The turning center is equipped with up to 46.9 hp (35 kW) spindle with rotation of up to 3,500 rpm.

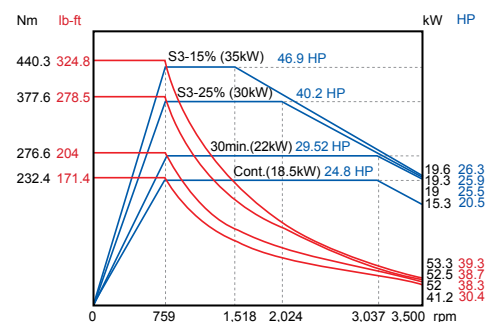
Integrated Sub Spindle and Y-axis for Complete Part Machining

- The wedge type Y-axis design maintains machining accuracy during complex off center milling, drilling and tapping in a single setup. 6" sub spindle with up to 14.75 hp (11 kW) motor can generate rotation speed up to 6,000 rpm. The combination of sub spindle, Y-axis, C-axis and live tool turret allow the complete machining of complex parts in a single setup improving efficiency and accuracy due to less part handling. The sub spindle incorporates a rotary encoder, ensuring high resolution positioning and repeatability for done-in-one part machining processes.

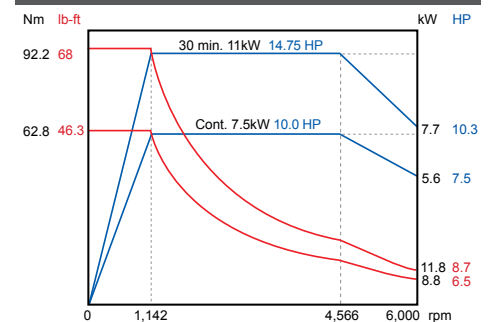
BMT65 Turret with Live Tooling

- The BMT65 turret ensures a fast and stable rotation of up to 4,500 rpm and outputs 7.4 hp (5.5 kW). The 12-station servo-driven turret provides high reliability and reduces tool change time.

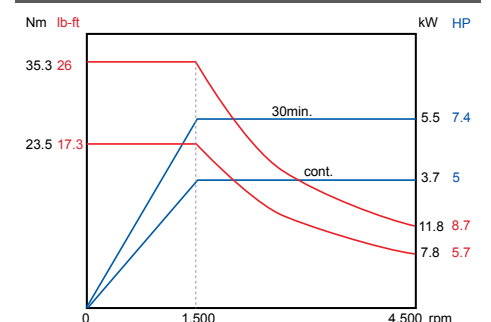
B10-SY 3,500 rpm MAIN SPINDLE



B10-SY 6,000 rpm SUB SPINDLE



B10-SY 4,500 rpm LIVE TOOLING



MACHINING RANGE

Swing Over Bed	ø39.37" (ø1,000 mm)
Max. Turning Diameter	ø13.77" (ø350 mm) ø10.0" (250 mm)
Max. Turning Length	28.70" (729 mm)

SPINDLE / SUB SPINDLE

Spindle Speed – Main / Sub	3,500 rpm / 6,000 rpm
Max. Spindle Motor Power – Main / Sub	Main: 46.9 hp (35 kW) Sub: 14.75 hp (11 kW)
Max. Spindle Torque – Main / Sub	324.8 / 68 lb-ft (440.3 / 92.2 Nm)
Chuck Size – Main / Sub	10" / 6"
Bar Capacity – Main / Sub	ø3.07" / ø1.77" (ø78 / ø45 mm)

TRAVEL

X-Axis Travel	10.23" (260 mm)
Y-Axis Travel	+1.97" / -1.97" (+50 / -50 mm)
Z-Axis Travel	30.70" (780 mm)
B-Axis Travel	29.92" (760 mm)

FEEDRATE

Rapid Feedrate (X / Z / Y / B)	787 / 945 / 394 / 787 ipm (20 / 24 / 10 / 20 m/min)
Cutting Feedrate (X / Z / Y / B)	0.04~394 ipm (1~10,000 mm/min)

TURRET

Tool Standard	BMT65
Tool Capacity	12T
Shank Height for Square Tool	□ 1.0" (□ 25 mm)
Shank Diameter for Boring Bar	ø1.57" (ø40 mm)
Live Tooling	100–4,500 rpm

COOLANT

Tank Capacity	111 gal (420 L)
---------------	-----------------

GENERAL

Machine Weight (w/Chip Conveyor)	16,645 lb (7,550 kg)
----------------------------------	----------------------

- Main Spindle w/46.9 hp, 3,500 rpm, A2-8, w/10" Chuck, 3.07" (78 mm) Bar Capacity, and Belted Type
- Sub Spindle w/14.75 hp, 6,000 rpm, A2-5, w/6" Chuck, 1.77" (45 mm) Bar Capacity, and Belted Type
- One Upper 12 Station BMT65 Turret and Wedge Type Y-Axis
- 4,500 rpm Live Tooling Turret
- Chip Conveyor
- Includes 4-Live Tool Holders (2 Axial, 2 Radial)
- Includes 12 Static Tool-holders, 15 Boring Sleeves, 10 Tool Sleeves and 3 MT Drill Sleeves: 2-Face TH, 1-Cutoff TH, 3-OD TH, 1-Dual OD TH, 1-Dual OD TH, 3-BB TH, Boring Tool Sleeves Ø 1/4", 5/16", 3/8", 1/2", 5/8", Two 3/4", Two 1", Tool Sleeves Ø Two 1/4", Two 5/16", Two 3/8", Two 1/2", Two 5/8", Three 3/4", Two 1", MT Drill Sleeves MT1, MT2, MT3
- Fanuc TXP-200FB+ Control



Note: The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. to improve the performance of the machine without notice. All specifications shown above are for reference.

L10-M



- A2-8, 10" Chuck, 25 hp, 3,500 rpm, w/3.07" (78 mm) Bar Capacity Spindle
- 12 Station BMT55
- 6,000rpm Live Tooling Turret
- Programmable Tailstock, Parts Catcher w/ Parts Conveyor, Chip Conveyor
- Includes 4-OD TH, 1-Facing TH, 4-Boring TH, 1-Cutoff TH, Tool Sleeves $\Phi 1/4"$, $1/2"$, $5/8"$, $3/4"$, $1.0"$ each of 1pcs
- Fanuc Type 0iTF Control.



MACHINING RANGE

Swing Over Bed	$\phi 23.22"$ ($\phi 590$)
Std. Turning Diameter (Max)	$\phi 10.84"$ ($\phi 15.74"$) $\phi 250$ mm ($\phi 400$ mm)
Max. Turning Length	23.62" (600 mm)

SPINDLE

Spindle Speed	3,500 rpm
Max. Spindle Motor Power	25 hp (18.5 kW)
Max. Spindle Torque	174 ft-lb (236 Nm)
Chuck Size	10"
Bar Capacity	$\phi 3.07"$ ($\phi 78$ mm)

TRAVEL

X-Axis Travel	8.85" (225 mm)
Z-Axis Travel	23.62" (600 mm)

FEEDRATE

Rapid Feedrate (X / Z)	787 / 944 ipm (20 / 24 m/min)
Cutting Feedrate (X / Z)	0.04~394 ipm (1~10,000 mm/min)

TURRET

Tool Standard	BMT55
Turret Capacity	12T
Shank Height for Square Tool	<input type="checkbox"/> 1.0" (<input type="checkbox"/> 25 mm)
Shank Diameter for Boring Bar	$\phi 1.25"$ ($\phi 32$ mm)
Live Tooling	60~6,000 rpm

GENERAL

Type	Programmable
Quill Taper	MT5

COOLANT

Tank Capacity	89.8 gal (340 L)
---------------	------------------

GENERAL

Machine Weight (w/Chip Conveyor)	11,464 lb (5,200 kg)
----------------------------------	----------------------

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. to improve the performance of the machine without notice. All specifications shown above are for reference.

- A2-6, 8" Chuck, 25 hp, 4,500 rpm
- 2.086" (53 mm) Bar Capacity Spindle
- 12 Station BMT55
- 6,000 rpm Live Tooling Turret, Programmable Tailstock, Parts Catcher w/Parts Conveyor, Chip Conveyor
- Includes 4-OD TH, 1-Facing TH, 4-Boring TH, 1-Cutoff TH, Tool Sleeves $\Phi 1/4"$, $1/2"$, $5/8"$, $3/4"$, $1.0"$ each of 1pcs
- Fanuc Type 0iTF Control.



MACHINING RANGE

Swing Over Bed	$\phi 23.22"$ ($\phi 590$)
Std. Turning Diameter (Max)	$\phi 8.0"$ ($\phi 15.74"$) $\phi 200$ mm ($\phi 400$ mm)
Max. Turning Length	23.62" (600 mm)

SPINDLE

Spindle Speed	4,500 rpm
Max. Spindle Motor Power	25 hp (18.5 kW)
Max. Spindle Torque	174 ft-lb (236 Nm)
Chuck Size	8"
Bar Capacity	$\phi 2.086"$ ($\phi 53$ mm)

TRAVEL

X-Axis Travel	8.85" (225 mm)
Z-Axis Travel	23.62" (600 mm)

FEEDRATE

Rapid Feedrate (X / Z)	787 / 944 ipm (20 / 24 m/min)
Cutting Feedrate (X / Z)	0.04~394 ipm (1~10,000 mm/min)

TURRET

Tool Standard	BMT55
Turret Capacity	12T
Shank Height for Square Tool	$\square 1.0"$ ($\square 25$ mm)
Shank Diameter for Boring Bar	$\phi 1.25"$ ($\phi 32$ mm)
Live Tooling	60~6,000 rpm

GENERAL

Type	Programmable
Quill Taper	MT5

COOLANT

Tank Capacity	89.8 gal (340 L)
---------------	------------------

GENERAL

Machine Weight (w/Chip Conveyor)	11,464 lb (5,200 kg)
----------------------------------	----------------------

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. to improve the performance of the machine without notice. All specifications shown above are for reference.



B42



- A2-5, 6" Chuck, 6,000rpm 15 hp Spindle
- 1.653" (42 mm) Bar Capacity
- 12 Tool Static Turret, Includes 12 Tool Wedges, 6 ID Tool-holders
- Manual Tailstock
- Parts Catcher w/Parts Conveyor
- Chip Conveyor
- Fanuc Type 0iTF Control



MACHINING RANGE

Swing Over Bed	ø16.53" (ø420)
Std. Turning Diameter (Max)	ø4.0" (ø6.30") ø101.6 mm (ø160 mm)
Max. Turning Length	11.02" (280 mm)

SPINDLE

Spindle Speed	6,000 rpm
Max. Spindle Motor Power	15 hp (11 kW)
Max. Spindle Torque	83.8 ft-lb (113.6 Nm)
Chuck Size	6"
Bar Capacity	1.77" (45 mm)

TRAVEL

X-Axis Travel	4.72" (120 mm)
Z-Axis Travel	13.78" (350 mm)

FEEDRATE

Rapid Feedrate (X / Z)	472 / 708 ipm (12 / 18 m/min)
Cutting Feedrate (X / Z)	0.04~394 ipm (1~10,000 mm/min)

TURRET

Tool Standard	Block Type
Turret Capacity	12T
Shank Height for Square Tool	□ .787" (□ 20 mm)
Shank Diameter for Boring Bar	ø1.0" (ø25 mm)
Live Tooling	N/A

GENERAL

Type	Manual
Quill Taper	MT4

COOLANT

Tank Capacity	29.05 gal (110 L)
---------------	-------------------

GENERAL

Machine Weight (w/Chip Conveyor)	5,070 lb (2,300 kg)
----------------------------------	---------------------

Note: The manufacturer reserves the right to modify the design, specifications, mechanisms, etc. to improve the performance of the machine without notice. All specifications shown above are for reference.



Make it Better, Together

**PRECISION
PRODUCTS, INC.**

"Providing Profits Through Technology"
10645 Deme Dr # A, Indianapolis, IN 46236
(317)-823-9900
sales@jmppi.com
www.jmppi.com

www.YCMCNC.com