

# MACHINE SPECIFICATIONS

		QUICK TURN UNIVERSAL 250		QUICK TURN UNIVERSAL 350	QUICK TURN UNIVERSAL 250M		QUICK TURN UNIVERSAL 350M	QUICK TURN UNIVERSAL 250M-UY*
		8 in	10 in	10 in	8 in	10 in	10 in	8 in
<b>Capacity</b>	Chuck Size	8 in	10 in	10 in	8 in	10 in	10 in	8 in
	Maximum Swing	27.4 in / 695 mm			27.4 in / 695 mm			27.4 in / 695 mm
	Machining Diameter (Standard)	8.35 in / 212 mm		10 in / 255 mm	9.25 in / 235 mm		10 in / 255 mm	9.25 in / 235 mm
	Machining Diameter (Maximum)	16.1 in / 410 mm			13.4 in / 340 mm			13.4 in / 340 mm
	Bar Work Capacity	2 in / 51 mm <sup>1</sup> 2.5 in / 65 mm <sup>2</sup>	2.5 in / 65 mm <sup>3</sup>	3.15 in / 80 mm <sup>4</sup>	2 in / 51 mm <sup>1</sup> 2.5 in / 65 mm <sup>2</sup>	2.5 in / 65 mm <sup>3</sup>	3.15 in / 80 mm <sup>4</sup>	2 in / 51 mm <sup>1</sup> 2.5 in / 65 mm <sup>2</sup>
	Maximum Support Weight (Chuck Included) <sup>5</sup>	Chuck Work	440 lbs / 200 kg		990 lbs / 450 kg	440 lbs / 200 kg	990 lbs / 450 kg	440 lbs / 200 kg
	Shaft Work	1,100 lbs / 500 kg			1,100 lbs / 500 kg		N/A	
<b>Main Spindle</b>	Speed Range <sup>6</sup> (m -1)	35-4,500	35-4,000	35-3,500	35-4,500	35-3,500	35-4,500	
	Shape of Spindle End	JIS A2-6	JIS A2-8		JIS A2-6	JIS A2-8	JIS A2-6	
	Bore	3 in / 76 mm		3.58 in / 91 mm	3 in / 76 mm		3.58 in / 91 mm	
<b>Second Spindle</b>	Motor Output (40% ED/Continuous Rating)	20/15 hp			20/15 hp		20/15 hp	
	Chuck Size	N/A			N/A		N/A	
	Speed Range <sup>6</sup> (m -1)	N/A			N/A		N/A	
	Shape of Spindle End	N/A			N/A		N/A	
	Bore	N/A			N/A		N/A	
	Motor Output (40% ED/Continuous Rating)	N/A			N/A		N/A	
<b>Tailstock</b>	Center Bore	MT No. 5 (Live Center) Morse Taper			MT No. 5 (Live Center) Morse Taper		N/A	
	Travel (Tailstock)	22.125 in / 565 mm			22.125 in / 565 mm		N/A	
<b>Turret</b>	Number of Tools	12			12 (Rotary Tool Can Be Mounted On All Positions)		12 (Rotary Tool Can Be Mounted On All Positions)	
	Tool Size	Outside Turning	1 in / 25 mm			1 in / 25 mm		1 in / 25 mm
		Inside Turning	1.5 in / 40 mm			1.5 in / 40 mm		1.25 in / 32 mm
		Rotary Drill	N/A			3/4 in / 20 mm		3/4 in / 20 mm
		Rotary End Mill	N/A			3/4 in / 20 mm		3/4 in / 20 mm
		Rotary Tap	N/A			M20		M20
	Mill Spindle Rotating Speed (min -1)	N/A			25-4500 (Option: 6000)		25-4500 (Option: 6000)	
Mill Spindle Motor Output (25% ED Rating)	N/A			5 hp		5 hp		
<b>Feed Axes</b>	Rapid Traverse	X/Z	1,181/1,181 IPM / 30/30 m/min		1,181/1,181 IPM / 30/30 m/min		1,181/394/1,181 IPM / 30/10/30 m/min	
	Travel	X	8.5 (8.375 + 0.125) in / 215 (210 + 5) mm		8.5 (8.375 + 0.125) in / 215 (210 + 5) mm		11.25 (11 + 0.25) in / 285 (280 + 5) mm	
		Y	N/A			N/A		4 (2 + 2) in / 100 (50 + 50) mm
		Z	25 (24.875 + 0.125) in / 635 (630 + 5) mm		23.75 (23.625 + 0.125) in / 605 (600 + 5) mm		20.25 (20.125 + 0.125) in / 515 (510 + 5) mm	
<b>Others</b>	Power Requirement (40% ED/Continuous Rating)	22.6/27.3 kVA			22.7/28.5 kVA		28.5/22.7 kVA	
		22.5/28.3 kVA			27.4/21.6 kVA		28.4/22.5 kVA	
<b>Total Size</b>	Overall Dimensions	Center Height	40.2 in / 1,020 mm		40.2 in / 1,020 mm		40.2 in / 1,020 mm	
		Length	104.3 in / 2,650 mm	106.3 in / 2,700 mm		104.3 in / 2,650 mm	106.3 in / 2,700 mm	
		Width <sup>7</sup>	66.5 in / 1,690 mm		66.5 in / 1,690 mm		66.5 in / 1,690 mm	
	Height	67.9 in / 1,725 mm		67.9 in / 1,725 mm		67.9 in / 1,725 mm		
	Floor Space Required <sup>8</sup>	48.1 ft <sup>2</sup> / 4.48 m <sup>2</sup>		49.1 ft <sup>2</sup> / 4.56 m <sup>2</sup>		48.1 ft <sup>2</sup> / 4.48 m <sup>2</sup>		
Machine Weight <sup>8</sup>	9,921 lbs / 4,500 kg		10,582 lbs / 4,800 kg		10,252 lbs / 4,650 kg			
		10,913 lbs / 4,950 kg		10,362 lbs / 4,700 kg		10,362 lbs / 4,700 kg		

1 For the use of a hollow chuck B-208A615+S1552-15Y.

2 For the use of a hollow chuck B208A615+S1875-15Y.

3 For the use of a hollow chuck B-210A815+S1877-15Y.

4 For the use of a hollow chuck B210A815+S2091-15Y.

5 The rigidity and holding force of the chuck are not allowed for. The position of the center of the support workpiece should be 7.87 in (200 mm) below spindle edge. The mass that can be safely supported is shown after calculations when the machine is at a standstill, but there may be cases where factors such as turning balance and machining conditions have an effect on the life of the roller bearing.

6 Depends upon the type of the chuck used.

7 Excluding the operating panel.

8 Body + coolant tank (Without chip conveyor, not containing coolant).

\* Coming soon.

	QUICK TURN UNIVERSAL 250MY		QUICK TURN UNIVERSAL 350MY	QUICK TURN UNIVERSAL 250MS		QUICK TURN UNIVERSAL 350MS	QUICK TURN UNIVERSAL 250MSY		QUICK TURN UNIVERSAL 350MSY
	8 in	10 in	10 in	8 in	10 in	10 in	8 in	10 in	10 in
	27.4 in / 695 mm		27.4 in / 695 mm	27.4 in / 695 mm		27.4 in / 695 mm	27.4 in / 695 mm		27.4 in / 695 mm
	9.25 in / 235 mm		10 in / 255 mm	9.25 in / 235 mm		10 in / 255 mm	9.25 in / 235 mm		10 in / 255 mm
	13.4 in / 340 mm			13.4 in / 340 mm		13.4 in / 340 mm	13.4 in / 340 mm		
	2 in / 51 mm <sup>1</sup> 2.5 in / 65 mm <sup>2</sup>	2.5 in / 65 mm <sup>3</sup>	3.15 in / 80 mm <sup>4</sup>	2 in / 51 mm <sup>1</sup> 2.5 in / 65 mm <sup>2</sup>	2.5 in / 65 mm <sup>3</sup>	3.15 in / 80 mm <sup>4</sup>	2 in / 51 mm <sup>1</sup> 2.5 in / 65 mm <sup>2</sup>	2.5 in / 65 mm <sup>3</sup>	3.15 in / 80 mm <sup>4</sup>
	440 lbs / 200 kg		990 lbs / 450 kg	440 lbs / 200 kg		990 lbs / 450 kg	440 lbs / 200 kg		990 lbs / 450 kg
	1,100 lbs / 500 kg			1,100 lbs / 500 kg		1,100 lbs / 500 kg	1,100 lbs / 500 kg		
	35-4,500		35-3,500	35-4,500		35-3,500	35-4,500		35-3,500
	JIS A2-6	JIS A2-8		JIS A2-6	JIS A2-8	JIS A2-6	JIS A2-8		JIS A2-8
	3 in / 76 mm		3.58 in / 91 mm	3 in / 76 mm		3.58 in / 91 mm	3 in / 76 mm		3.58 in / 91 mm
	20/15 hp			20/15 hp		20/15 hp	20/15 hp		
	N/A			6 in		6 in	6 in		
	N/A			35-6,000		35-6,000	35-6,000		
	N/A			JIS A2-5		JIS A2-5	JIS A2-5		
	N/A			53 in / 209 mm		53 in / 209 mm	53 in / 209 mm		
	N/A			N/A		7.5/5.5 kW	7.5/5.5 kW		
	MT No. 5 (Live Center) Morse Taper			MT No. 5 (Live Center) Morse Taper		MT No. 5 (Live Center) Morse Taper	MT No. 5 (Live Center) Morse Taper		
	22.125 in / 565 mm			22.125 in / 565 mm		22.125 in / 565 mm	22.125 in / 565 mm		
	12 (Rotary Tool Can Be Mounted On All Positions)			12 (Rotary Tool Can Be Mounted On All Positions)		12 (Rotary Tool Can Be Mounted On All Positions)	12 (Rotary Tool Can Be Mounted On All Positions)		
	1 in / 25 mm		1 in / 25 mm	1 in / 25 mm		1 in / 25 mm	1 in / 25 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		
	3/4 in / 20 mm		3/4 in / 20 mm	3/4 in / 20 mm		3/4 in / 20 mm	3/4 in / 20 mm		
	3/4 in / 20 mm		3/4 in / 20 mm	3/4 in / 20 mm		3/4 in / 20 mm	3/4 in / 20 mm		
	M20		M20	M20		M20	M20		
	25-4500 (Option: 6000)		25-4500 (Option: 6000)	25-4500 (Option: 6000)		25-4500 (Option: 6000)	25-4500 (Option: 6000)		
	5 hp		5 hp	5 hp		5 hp	5 hp		
	1,181/394/1,181 IPM / 30/10/30 m/min		1,181/1,181 IPM / 30/30 m/min	1,181/1,181 IPM / 30/30 m/min		1,181/394/1,181 IPM / 30/10/30 m/min	1,181/394/1,181 IPM / 30/10/30 m/min		
	8.5 (8.375 + 0.125) in / 215 (210 + 5) mm		8.5 (8.375 + 0.125) in / 215 (210 + 5) mm	8.5 (8.375 + 0.125) in / 215 (210 + 5) mm		8.5 (8.375 + 0.125) in / 215 (210 + 5) mm	8.5 (8.375 + 0.125) in / 215 (210 + 5) mm		
	4 (2 + 2) in / 100 (50 + 50) mm		N/A	N/A		4 (2 + 2) in / 100 (50 + 50) mm	4 (2 + 2) in / 100 (50 + 50) mm		
	23.75 (23.625 + 0.125) in / 605 (600 + 5) mm		23.75 (23.625 + 0.125) in / 605 (600 + 5) mm	23.75 (23.625 + 0.125) in / 605 (600 + 5) mm		23.75 (23.625 + 0.125) in / 605 (600 + 5) mm	23.75 (23.625 + 0.125) in / 605 (600 + 5) mm		
	22.5/28.3 kVA			27.4/21.6 kVA		28.4/22.5 kVA	28.4/22.5 kVA		
	40.2 in / 1,020 mm		40.2 in / 1,020 mm	40.2 in / 1,020 mm		40.2 in / 1,020 mm	40.2 in / 1,020 mm		
	104.3 in / 2,650 mm	106.3 in / 2,700 mm		104.3 in / 2,650 mm	106.3 in / 2,700 mm	104.3 in / 2,650 mm	106.3 in / 2,700 mm		106.3 in / 2,700 mm
	66.5 in / 1,690 mm		66.5 in / 1,690 mm	66.5 in / 1,690 mm		66.5 in / 1,690 mm	66.5 in / 1,690 mm		
	67.9 in / 1,725 mm		67.9 in / 1,725 mm	67.9 in / 1,725 mm		67.9 in / 1,725 mm	67.9 in / 1,725 mm		
	48.1 ft <sup>2</sup> / 4.48 m <sup>2</sup>		49.1 ft <sup>2</sup> / 4.56 m <sup>2</sup>	48.1 ft <sup>2</sup> / 4.48 m <sup>2</sup>		49.1 ft <sup>2</sup> / 4.56 m <sup>2</sup>	48.1 ft <sup>2</sup> / 4.48 m <sup>2</sup>		49.1 ft <sup>2</sup> / 4.56 m <sup>2</sup>
	9,921 lbs / 4,500 kg		10,582 lbs / 4,800 kg	10,252 lbs / 4,650 kg		10,913 lbs / 4,950 kg	10,803 lbs / 4,900 kg		11,464 lbs / 5,200 kg
	10,362 lbs / 4,700 kg		11,023 lbs / 5,000 kg	10,692 lbs / 4,850 kg		11,354 lbs / 5,150 kg	10,803 lbs / 4,900 kg		11,464 lbs / 5,200 kg