

Standard Machine Specifications

QUICK TURN NEXUS

		200-II MS	200-II MY	200-II MSY
Capacity	Max. swing	φ675 mm	φ675 mm	φ675 mm
	Swing over carriage	φ350 mm	φ350 mm	φ350 mm
	Max. machining Dia.	φ380 mm	φ380 mm	φ380 mm
	Max. machining length ^{*)}	-	538 mm	-
	Distance between jaw faces (both spindles)	575 mm	-	575 mm
	Bar work capacity ^{*)}	φ65 mm	φ65 mm	φ65 mm
Travel	X-axis travel	230 mm	230 mm	230 mm
	Y-axis travel	-	100 mm (±50 mm)	100 mm (±50 mm)
	Z-axis travel	575 mm	575 mm	575 mm
Main spindle	Chuck size	8"	8"	8"
	Spindle speed ^{*)}	5000 rpm	5000 rpm	5000 rpm
	Number of spindle speed ranges	1-Stepless	1-Stepless	1-Stepless
	Spindle nose	A2-6	A2-6	A2-6
	Spindle bore	φ76 mm	φ76 mm	φ76 mm
Second spindle	Chuck size	6"	-	6"
	Spindle speed	6000 rpm	-	6000 rpm
	Second headstock stroke (W-axis)	585 mm	-	585 mm
	Second headstock stroke positioning speed	30000 mm/min	-	30000 mm/min
Turret	Turret type	12 position drum turret (VDI type)	12 position drum turret (VDI type)	12 position drum turret (VDI type)
	Number of tools	12 tools	12 tools	12 tools
	Turning tool shank	25 mm	25 mm	25 mm
	Boring bar shank diameter	φ40 mm	φ40 mm	φ40 mm
	Turret indexing time	0.2 sec. / 1 step	0.2 sec. / 1 step	0.2 sec. / 1 step
Rotary tool spindle	Spindle speed	4500 rpm	4500 rpm	4500 rpm
	Milling capacity	Drill : φ20 mm, Endmill : φ20 mm, Tap : M20X2.5	Drill : φ20 mm, Endmill : φ20 mm, Tap : M20X2.5	Drill : φ20 mm, Endmill : φ20 mm, Tap : M20X2.5
Feedrate	Rapid traverse rate:X-axis	30000 mm/min	30000 mm/min	30000 mm/min
	Rapid traverse rate:Y-axis	-	21000 mm/min	21000 mm/min
	Rapid traverse rate:Z-axis	33000 mm/min	33000 mm/min	33000 mm/min
	Rapid traverse rate:C-axis	555 rpm	555 rpm	555 rpm
Tailstock	Tailstock stroke	-	550 mm	-
	Taper	-	MT 5 (Dead center)	-
Motors	Main Spindle (30 min. rating)	26 kW (35 HP)	26 kW (35 HP)	26 kW (35 HP)
	Main Spindle (Cont. rating)	22 kW (30 HP)	22 kW (30 HP)	22 kW (30 HP)
	Second spindle (25% ED)	11 kW (15 HP)	-	11 kW (15 HP)
	Rotary tool spindle motor (10 min. rating)	5.5 kW (7.5 HP)	5.5 kW (7.5 HP)	5.5 kW (7.5 HP)
	Coolant pump motor	0.18 kW	0.18 kW	0.18 kW
Power requirements	Required power capacity (Cont. rating)	41 kVA	41.6 kVA	41.6 kVA
	Air source pressure	0.5 MPa [5 kgf/cm ²] 150 L/min (ANR)	0.5 MPa [5 kgf/cm ²] 150 L/min (ANR)	0.5 MPa [5 kgf/cm ²] 150 L/min (ANR)
Coolant	Tank capacity	190 L	190 L	190 L
Machine size	Height	1840 mm	1860 mm	1860 mm
	Floor space requirement	2765 mm X 1780 mm	2665 mm X 1860 mm	2800 mm X 1860 mm
	Machine weight	5100 kg	5100 kg	5300 kg