



NL2500SY/700

CNC Lat

Machine Specifications

	Item		NL2500SY/700
Capacity	Swing over bed	mm (in.)	923.8 (36.4) <interference with front cover 579.8 (22.8)>
	Swing over cross slide	mm (in.)	755 (29.7)
	Max. turning diameter	mm (in.)	356 (14.0)
	Standard turning diameter	mm (in.)	275 (10.8)
	Max. turning length	mm (in.)	705 (27.7)
	Bar work capacity	mm (in.)	80 (3.1)
Travel	X-axis travel	mm (in.)	260 (10.2)
	Z-axis travel	mm (in.)	795 (31.3)
	Y-axis travel	mm (in.)	100 <±50> (3.9 <±2.0>)
	Headstock 2 travel <B-axis>	mm (in.)	734 (28.9)
Spindle	Max. spindle speed	min ⁻¹	Headstock 1: 4,000 Headstock 2: 6,000 [5,000] Headstock 1: JIS A ₂ -8 Headstock 2: JIS A ₂ -5 [JIS A ₂ -6 <5,000 min ⁻¹ >]
	Type of spindle nose		
	Through spindle hole diameter	mm (in.)	Headstock 1: 91 (3.6) Headstock 2: 43 (1.7) [73 (2.9) <5,000 min ⁻¹ >]
	Min. spindle indexing angle		0.001 °
	Spindle bearing inner diameter	mm (in.)	Headstock 1: 140 (5.5) Headstock 2: 85 (3.3) [120 (4.7) <5,000 min ⁻¹ >]
	Number of tool stations		12 [10]
Turret	Shank height for square tool	mm (in.)	25 (1)
	Shank diameter for boring bar	mm (in.)	Headstock 1: Max. 50 (2) [32 (1 1/4) <double boring holder->] Headstock 2: Max. 32 (1 1/4)
	Tool shank diameter for rotary tool	mm (in.)	26 (1.0)
	Turret indexing time	s	0.25
	Max. rotary tool spindle speed	min ⁻¹	6,000
Feedrate	Rapid traverse rate	mm/min (ipm)	X, Z, B: 30,000 (1,181.1), Y: 10,000 (393.7), C: 400 min ⁻¹
	Spindle drive motor <25 %ED/50 %ED/cont>	kW (HP)	Headstock 1: 18.5/18.5/15 (24.7/24.7/20) [26/26/22 (34.7/34.7/30) <10 min/30 min/cont>] Headstock 2: 11/7.5 (15/10) <25 %ED/cont>
Motor	Rotary tool spindle drive motor <3 min/5 min/cont>	kW (HP)	5.5/5.5/3.7 (7.5/7.5/5)
	Feed motor	kW (HP)	X, Z, Y: 3.5 (4.7), B: 2.0 (2.7)
	Electrical power supply <standard>	kVA	39.4
Power sources	Compressed air supply	MPa (psi), L/min (gpm)	0.5 (72.5), 100 (26.4) <ANR>
	Coolant tank capacity	L (gal.)	246 (64.9)
Tank capacity	Machine height <from floor>	mm (in.)	2,120 (83.5)
	Floor space <width>×<depth>	mm (in.)	3,100×2,000 (122.0×78.7)
	Mass of machine	kg (lb.)	6,200 (13,640)

[] Option

- Bar work capacity: Depending on the chuck/cylinder used and its restrictions, it may not be possible to reach full bar work capacity.
- Max. spindle speed: Depending on restrictions imposed by the workpiece clamping device, fixture and tool used, it may not be possible to rotate at the maximum spindle speed.
- JIS: Japanese Industrial Standard
- Power sources, machine size: the actual values may differ from those specified in the catalogue, depending on the optional features and peripheral equipment.
- ANR: ANR refers to a standard atmospheric state; i. e., temperature at 20 °C (68 °F); absolute pressure at 101.3 kPa (14.7 psi); and relative humidity 65 %.

NC Unit Spec.