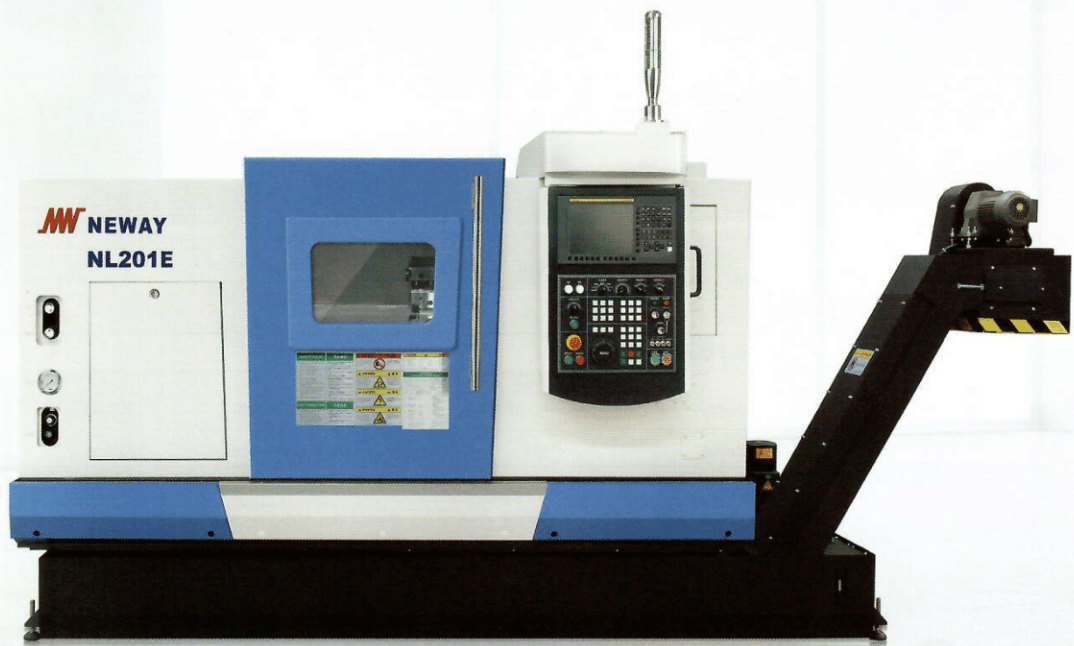




item	PB160H
Work table size	2000×2000 [2000×2500]
Max. worktable load	15000[20000]
Max. worktable speed	2
Work table travel X	3000[4000]
Spindle box travel Y	2000[2500]
Column travel Z	1600
Spindle axial travel W	900
Rapid speed X、Y、Z、V、W	10/10/10/-/4/-
Motor power	30/37[45/55]
Spindle speed	10-2000
Tools (option)	[40 (chain type) /60 (chain type)]
Positioning accuracy (X/Y/Z/V)	0.025/0.02/0.02/-/0.025
Repositioning accuracy (X/Y/Z/V)	0.017/0.015/0.015/-/0.018

NL Series- Linear Guideway CNC Horizontal Lathe

- 45° overall slant bed design offers high rigidity for heavier cutting and excellent chip removal.
- FEA structure analysis realize the correct layout of casting ribs to increase rigidity and lessen stress.
- The X/Z axis ball screw is pre-tensioned to reduce influence of temperature increase on the accuracy of the ball screw during machining. Fasten bolts are installed on both sides of the ball screw itself to increase the protection of the ball screw bearing. The servo motor is directly connected with the high speed and silent ball screw.
- X/Z axis utilize linear guideways to guarantee excellent dynamic characteristics, stable machining accuracy, high rapid traverse speeds and high processing efficiency.
- Tailstock adopts rectangular guideway, with excellent rigidity both up and down the layered structure. There are micro-adjustment devices between the upper and lower tiers. The tailstock center can be adjusted. The tailstock body can be moved manually or dragged by the slide board, and the quill is driven by hydraulic.
- Utilizes a high rigidity spindle box with lower noise, higher precision, better heat dissipation and and longer service life.
- World Class functional components, equipped with imported servo drivers and motors to realize reliable performance, excellent controllability, high indexing accuracy.
- The wide range of options: such as bar feeder, part catcher, larger hollow chuck, bigger spindle bore, programmable tailstock, tool measurement, hydraulic steady rest, etc.



The main parameters

	NL161E	NL201E	NL251HA	NL253HA	NL322SA/HA	NL324SA/HA	NL402SA/HA	
Max. swing on bed	mm	Φ500	Φ450	Φ550	Φ550	Φ570	Φ650	
Max. cutting dia	mm	Φ320	Φ350	Φ360	Φ360	Φ430	Φ510	
Max. cutting length	mm	320	445	435	810	565	550	
Motor power	kW	5.5/7.5	7.5/11	7.5/11	7.5/11	11/15	11/15	
Spindle speed	r/min	6000	6000	5000	5000	3500(SA) 4000(HA)	3500(SA) 4000(HA)	3000(SA) 4000(HA)