

New range of manual lathes with variable speed head.

The new range of ML lathes, equipped with an electronic speed variator, allows the necessary cutting speed to be selected at all times, achieving better surface finishes, optimising tool consumption and improving machining performance.

The new ML models stand out for their precision and useful life, being versatile machines for both maintenance and production work.

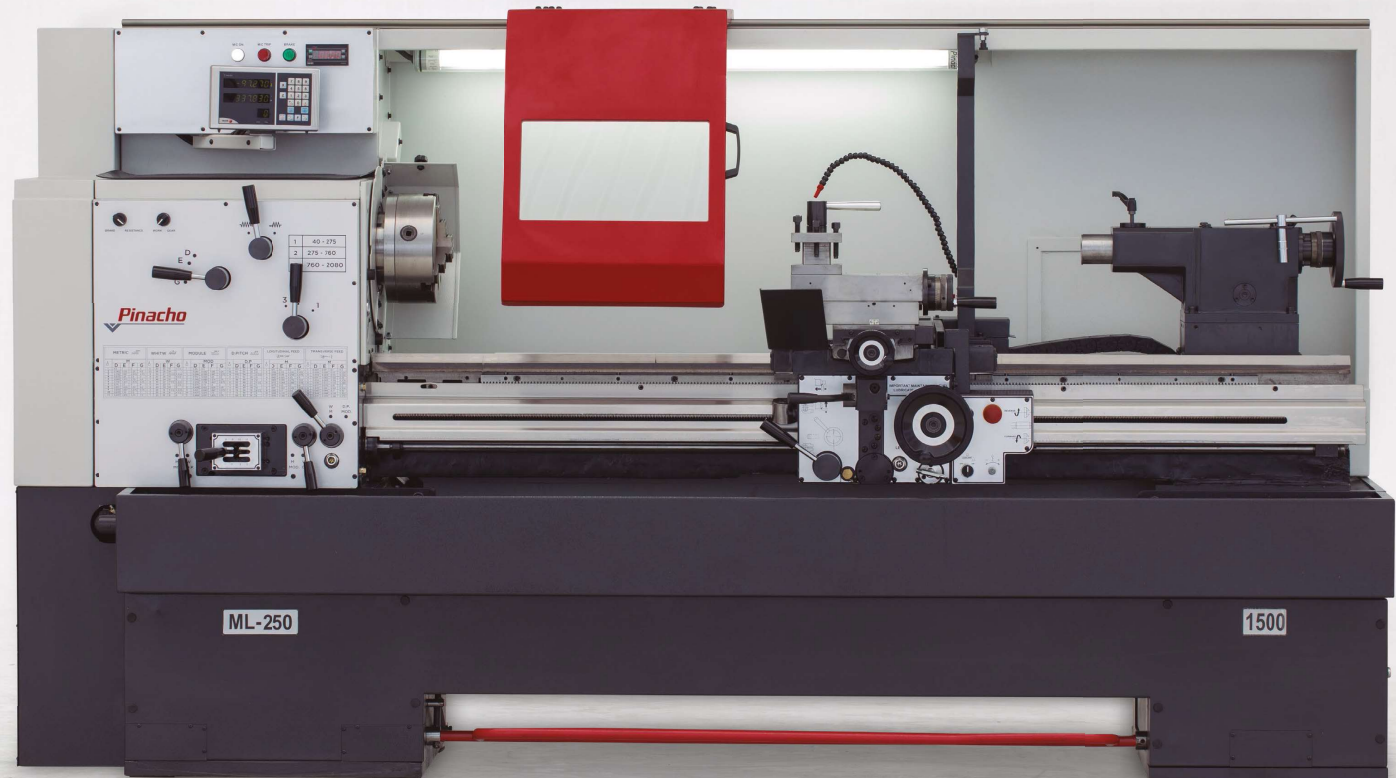


STANDARD EQUIPMENT

- Headstock with variable speed 3 ranges
- Reducing bush of main shaft and fixed point
- Dead center for tailstock
- 4-position toolpost
- Stop brake
- Micro switch chuck protection
- Emergency stop button
- Manual central lubrication
- Refrigeration equipment
- Rear and chuck anti-projection guard
- Sliding front guard
- Rigid protection of the standard spindle
- Cast iron pedestals
- Levelling washers
- Working light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

OPTIONAL EXTRAS

- Chucks with 3 and 4 jaws
- Rear chuck
- Fixed Steady Rest
- Large capacity fixed steady rest
- Follow Rest
- Quick-change toolpost
- Multifix quick-change toolpost
- Digital Read Out
- Live center
- Cone Copier
- Stopper
- Anti-vibration kit
- Micrometer carriage stop
- Electric transformer
- Rapid movements



Working capacity		ML-200		ML-250		ML-325			
Center distance	mm / in	750/30	1000/40	1000/40	1500/60	1000/40	1500/60	2000/80	3000/120
Bed width	mm / in	250 / 10		300 / 12		350 / 14			
Centre height	mm / in	200 / 8		250 / 10		325 / 13			
Ø max. swing over bed	mm / in	400 / 16		500 / 20		650 / 26			
Ø max swing over gap	mm / in	525 / 20		700 / 27 1/2		785 / 30			
Gap length from face plate	mm / in	120 / 5		160 / 6		220 / 9			
Ø max. swing over carriage	mm / in	370 / 15		450 / 18 3/4		595 / 23			
Ø max. swing over cross slide	mm / in	245 / 9 1/2		310 / 12		450 / 22			
Cross slide travel	mm / in	230 / 9		240 / 9 3/4		335 / 13			
Tool post slide travel (saddle)	mm / in	95 / 3 1/4		125 / 5		150 / 5 1/2			
Longitudinal carriage travel	mm / in	605/23	870/34	1000/39	1440/56	1035/40	1435/56	1960/77	2860/112
Dimensions of tool handle	mm	20x20		25x25		25x25			

Headstock			4		5.5		7.5		
Main motor power	kW		4		5.5		7.5		
Headstock main spindle bore	mm / in		42 / 1 1/2		58/2 1/4	105/4	80 / 3	105 / 4	155 / 6
Main spindle nose Valid for all distances between centres	ASA / CAM-LOCK		A2-5 / D1-5		A2-6 / D1-6	A2-8 / D1-8	A2-8 / D1-8		A2-11
Main spindle nose taper	MT		4		6	5	5		
Speed ranges	Range I	r.p.m.	40 - 280		40-275	85-200	30 - 200	85 - 200	50 - 120
	Range II	r.p.m.	280 - 815		275-760	200-465	200 - 550	200 - 465	120 - 290
	Range III	r.p.m.	815 - 2300		760-2080	465-1250	550 - 1500	465 - 1250	290 - 800

X-axis, Z-axis			44		55	44	55
Threads and feeds			44		55	44	55
Longitudinal feeds	mm / rev		0.05 - 0.752		0.05 - 1.5	0.05 - 0.752	0.05 - 1.5
Cross feeds	mm / rev		0.025 - 0.376		0.025 - 0.752	0.025 - 0.376	0.025 - 0.752
Metric threads	mm		0.5 - 7.5		0.5 - 15	0.5 - 7.5	0.5 - 15
Whitworth threads			60 - 4		60 - 2	60 - 4	60 - 2
Modular threads	mm		0.25 - 3.75		0.25 - 7.5	0.25 - 3.75	0.25 - 7.5
Pitch diametral threads			120 - 8		120 - 4	120 - 8	120 - 4
Lead screw rod pitch Ø35	mm / in		6 / 1 1/4		6 / 1 1/4	6 / 1 1/4	6 / 1 1/4

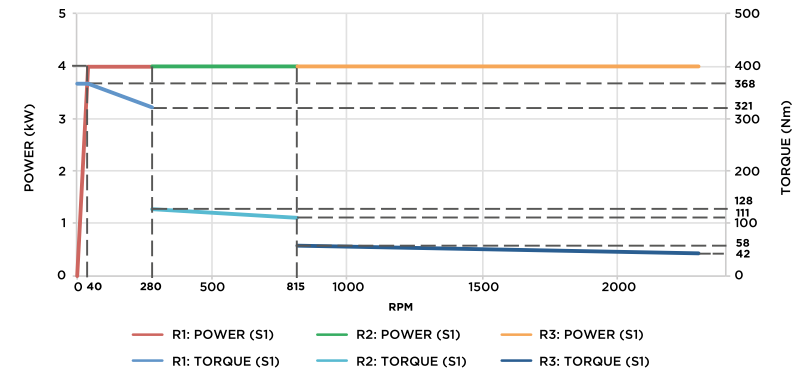
Tailstock			58 / 2 1/4		68 / 2 1/2		95 / 3 3/4	
Tailstock barrel Ø	mm / in		58 / 2 1/4		68 / 2 1/2		95 / 3 3/4	
Tailstock barrel travel	mm / in		180 / 7		200 / 7 3/4		220 / 8 1/2	
Tailstock Morse taper	MT		4		4		5	

Dimensions and Weight			2120		2360		2620		3040		2540		3020		3650		4580	
Length	mm		2120		2360		2620		3040		2540		3020		3650		4580	
Width	mm		950		1000		1000		1000		1140		1140		1140		1140	
Height	mm		1580		1650		1650		1650		1770		1770		1770		1770	
Weight	kg		1250	1320	1845	2035	2160	2400	2650	3170	2160	2400	2650	3170	3650	4580	2160	2400

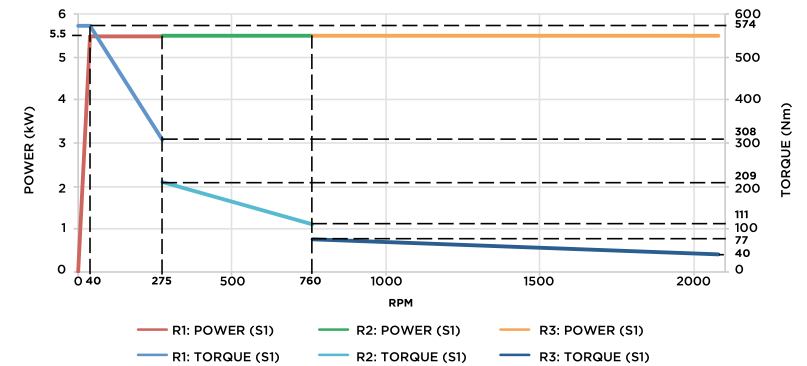
Options			10 - 125		10 - 140		10 - 180	
Fixed steady rest Ø	mm		10 - 125		10 - 140		10 - 180	
Large capacity fixed steady rest Ø	mm		110 - 200		140 - 300		180 - 400	
Follow rest Ø	mm		10 - 80		10 - 90		10 - 140	

Dimensions and weight with packaging			2320		2560		2820		3240		2740		3220		3850		4780	
Length	mm		2320		2560		2820		3240		2740		3220		3850		4780	
Width	mm		1050		1100		1100		1100		1240		1240		1240		1240	
Height	mm		1780		1850		1850		1850		1970		1970		1970		1970	
Weight	kg		1550	1620	2145	2335	2560	2800	3050	3570	2560	2800	3050	3570	3850	4780	2560	2800

ML-200/42



ML-250/58



ML-325/80

