

Global Sales Network



Manufacturer & Exporter

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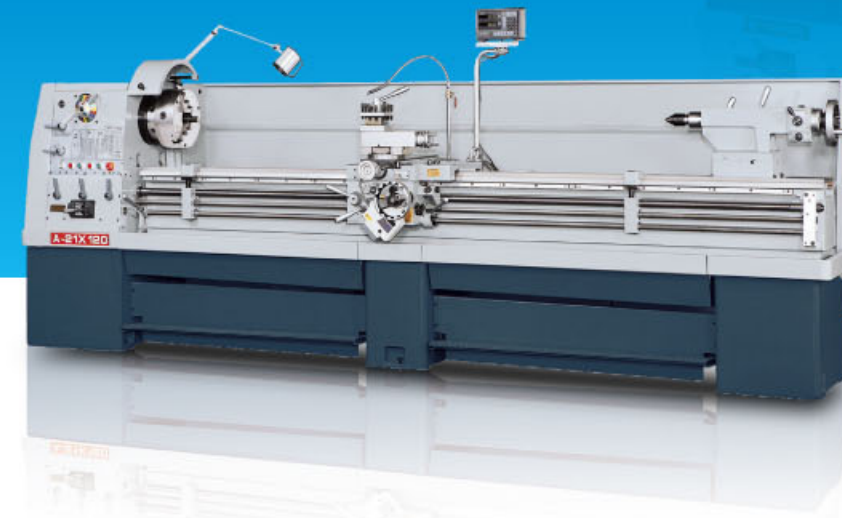


MATCHMAKER CNC

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MATCHMAKER PRECISION LATHES



L&W Power Lathe Series

L&W is recognized worldwide for superior precision machine tools with high speed, high accuracy and superior rigidity since the inauguration of the company in 1996. We devote much of our energy to research and development. This is based on our many years of experience, our exposure to ever changing technology, and the needs of our worldwide customers.

L&W invests in efforts to make our products operate with the highest efficiency, and under our intensive after sales services and technical assistance, customers may expand their business with L&W products. We believe that our products will contribute to your production goals and lead to remarkable benefits for you.

ABOUT MATCHMAKER CNC

At MATCHMAKER CNC we specialise in supplying top quality built Machine Tools, with the very latest technology at affordable prices from some of the world's leading manufacturers. We then support all our products and all our customers from our head office at Leatherhead Surrey, England. Formed in 1970 MATCHMAKER CNC has grown to be one of the largest supplier of CNC machine tools into the manufacturing sector.

MATCHMAKER CNC is known for redefining the industry with its outstanding levels of service and support. MATCHMAKER machine tools are built to deliver higher accuracy, repeatability and durability.

INDEX

MODEL	Feature	SWING OVER BED	BETWEEN CENTERS	SPINDLE SPEED	PAGE
A	Standard Power Lathe	18" & 21"	40" / 60" / 80" / 120"	16 Steps / 20~1600 rpm	3.4
A-V	w/inverter spindle motor	460 & 533 mm.	1000 / 1500 / 2000 / 3000 mm.	4 Steps / 18~1800 rpm	
B	Standard Power Lathe	15"	50"	16 Steps / 25~2000 rpm	5.6
B-V	w/inverter spindle motor	380 mm.	1250 mm.	4 Steps / 22~2500 rpm	
S	Standard Power Lathe	18" & 21"	34" / 54"	12 Steps / 30~1500 rpm	7.8
M	Standard Power Lathe	17" & 20"	40" / 60"	12 Steps / 36~1800 rpm	9.10
M-V	w/inverter spindle motor	432 & 508 mm.	1000 / 1500 mm.	3 Steps / 30~2200 rpm	
C	Standard Power Lathe	17"	40" / 60"	8 Steps / 80~2000 rpm	11.12
C-V	w/inverter spindle motor	432 mm.	1000 / 1500 mm.	2 Steps / 20~2500 rpm	
T	Standard Power Lathe	16"	40" / 60"	12 Steps / 36~1800 rpm	13.14
R	Standard Power Lathe	14" & 16"	40" / 60"	8 Steps / 70~1800 rpm	15.16
R-V	w/inverter spindle motor	360 & 406 mm.	1000 / 1500 mm.	2 Steps / 20~2500 rpm	
E	Standard Power Lathe	13"	30" / 40"	8 Steps / 80~2000 rpm	17.18
	w/inverter spindle motor	340 mm.	760 / 1000 mm.	2 Steps / 100~3000 rpm	



A Series

HIGH SPEED PRECISION LATHES

Swing Over Bed: 18" or 21" (460 or 533 mm)

Spindle Speed: 16 Steps 20 ~1600 rpm

4 Steps 18 ~1800 rpm (V Models)

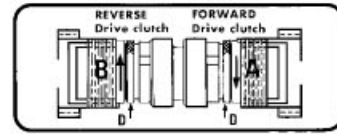
Range of distance between centers: 1000/1300/1500/2000 mm.

Spindle Bore: 80 mm (3.149")



**A-1840/1860/1880
-2140/2160/2180/21120**

Photo shown model: A-21120



Matrix Disc Clutch

- Maximum power transmission efficiency.
- High speed reaction time.
- Smooth mechanism ensures optimum performance.



**A-1840V/1860V/1880V
-2140V/2160V/2180V/21120V**

Photo shown model: A-2160V

FEATURES:

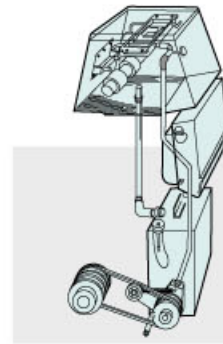
- Stress-relieved cast iron and extra wide bed ways.
- High reliability mechanical clutch. (Except machines with EVS control)
- HS-70 slideway is coated with Turcite B between bed and carriage.
- Automatic lubrication system.
- Foot switch.
- Built-in coolant pump.
- Constant surface speed, or CSS function. (Optional, for models with variable speed spindle)
- CE configuration (optional)

STANDARD ACCESSORIES:

1. Backplate for 12" chuck
2. Dead center MT.5
3. Dead center MT.5 with carbide tip
4. Spindle center sleeve MT.7
5. Level pads.....8 pcs
6. Tool set & Box
7. Operation manual & parts list

OPTIONAL ACCESSORIES:

1. 3-Jaws scroll 12" chuck
2. 4-Jaws independent chuck 12" for 18....or 14" for 21...
3. 5C collet closer attachment
4. 5C collets (metric or inch)
5. Chuck safety guard
6. Hydraulic copying attachment
7. Tool post grinder attachment
8. Taper turning attachment
9. Electrical system for CE
10. Protective cover on leadscrew for CE
11. Steady rest w/ball bearing
12. Follow rest w/bronze tip
13. Faceplate 14"
14. Drill chuck & arbor
15. Rotating center MT.5
16. Halogen lamp
17. Quick change tool post
18. Carriage micro stop set
19. Digital read out system
20. Full length splash guard



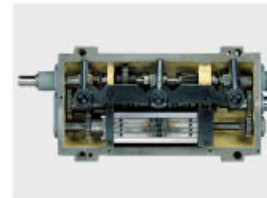
Lubrication

- The pressure lubrication system for headstock ensures its smooth operation during high speed cutting.
- Designed with oil level inspection window.



Headstock

- Gears are hardened and ground by MAAG or REISHAUER Gear Grinder.
- Low noise, low vibration, low temperature growth.



From 2 Steps to 16 Steps Heavy Duty Gearbox

- All bearing seats / shaft seats are fine bored for optimum performance. Low vibration, low noise.
- All gears are hardened and ground by Swiss / German gear grinding machines.
- Oil lubricated for stable temperature growth.



Apron

- Integrated control for automatic longitudinal and cross feeds, forward and backward feeds.
- Right Hand or Left Hand wheel is available upon request.



Carriage & Slide

- Anti-float design of backlash eliminator is fitted in the cross slide nut.
- Safety clutch at the feed shaft.
- One shot lubrication for the carriage and top slide.
- Machine with dual dials is fitted with imperial screws.
- Machine with only metric dial is fitted with metric screws.



From 18 rpm to 3000 rpm Full Range Spindle Configurations

- Either for high torque heavy duty turning or high speed quality surface finish turning, L&W Lathes offer various spindle configurations to meet different job demands.
- Material: Hardened alloy steel.
 - Dynamic balanced with minimum run-out and maximum cutting performance.
 - Employs heavy duty roller bearings with 3-point support.

SPECIFICATIONS:

	Item	A-1840 A-1860 A-1880	A-2140 A-2160 A-2180 A-21120	A-1840V A-1860V A-1880V	A-2140V A-2160V A-2180V A-21120V	
Capacity	Height of centers	230 mm (9.055")	271 mm (10.67")	230 mm (9.055")	271 mm (10.67")	
	Swing over bed	ø460 mm (18.11")	ø533 mm (20.98")	ø460 mm (18.11")	ø533 mm (20.98")	
	Swing in gap	ø710 mm (27.95")	ø790 mm (31.10")	ø710 mm (27.95")	ø790 mm (31.10")	
	Swing over cross slide	ø280 mm (11.02")	ø356 mm (14.01")	ø280 mm (11.02")	ø356 mm (14.01")	
	Distance between centers	1000 mm (40") 1500 mm (60") 2000 mm (80")	1000 mm (40") 1500 mm (60") 2000 mm (80") 3000 mm (120")	1000 mm (40") 1500 mm (60") 2000 mm (80")	1000 mm (40") 1500 mm (60") 2000 mm (80") 3000 mm (120")	
	Width of bed	345 mm (13.58")				
Headstock and Main Spindle	Gap width in front of faceplate	250 mm (9.84")				
	Spindle nose, internal taper	D1-8, MT.No.7				
	Spindle center sleeve	MT. No.7 x MT. No.5				
	Spindle bore	ø80 mm (3.149")				
	Spindle speed:	Gear steps	16 steps / 20~1600 R.P.M. Green 20 65 210 670 Yellow 25 85 280 900		L 18~55 R.P.M. M 55~180 R.P.M.	
		Range	Red 35 115 380 1200 Blue 50 150 500 1600		4 steps / MH 180~600 R.P.M. H 600~1800 R.P.M.	
		"MATRIX" Disc clutch for Forward / Reverse				
		Infinitely variable				
Carriage	Length on bed / Width of carriage	543 mm (21.37") / 542 mm (21.33")				
	Cross slide travel	272 mm (10.7")				
	Top slide travel	137 mm (5.39")				
Threads and Feeds	Whitworth threads: Kinds / Range	38 Kinds / 2~72 T.P.I.				
	Metric threads: Kinds / Range	40 Kinds / 0.4~14 mm				
	D.P. threads: Kinds / Range	21 Kinds / 8~44 D.P.				
	M.P. threads: Kinds / Range	18 Kinds / 0.3~3.5 M.P.				
	Longitudinal feeds	0.04~1.0 mm (0.0015"~0.04")				
Tailstock	Cross feeds	0.02~0.5 mm (0.00075"~0.02")				
	Quill diameter	ø76 mm (3")				
	Quill travel	165 mm (6.5")				
	Taper of center	MT.No.5				
Motor	Main spindle	10HP	12.5HP	AC 7.5kW (10HP)	AC 9.4kW (12.5HP), Inverter	
	Forced lubrication for HD.					
	Coolant pump	1/8HP				

Specifications subject to change without notice.

B Series

HIGH SPEED PRECISION LATHES

Swing Over Bed: 15" (380 mm)

Spindle Speed: 16 Steps 25~2000 rpm
4 Steps 22~2500 rpm (V Models)

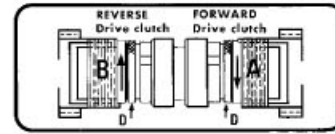
Range of distance between centers: 1250 mm.

Spindle Bore: 56 mm (2.2")



B-1550

Photo shown model: B-1550
w/protect cover on leadscrew



Matrix Disc Clutch

- Maximum power transmission efficiency.
- High speed reaction time.
- Smooth mechanism ensures optimum performance.



B-1550V

Photo shown model: B-1550V

FEATURES:

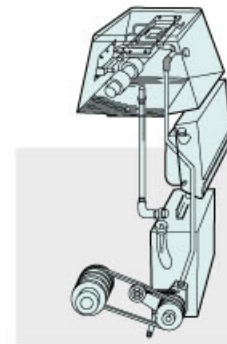
- Machine base is made from one piece stress-relieved cast iron.
- Extra wide bed ways.
- Universal feed gearbox.
- Reversible apron.
- HS-70 slideway is coated with Turcite B between bed and carriage.
- Foot switch.
- Built-in coolant pump.
- CE configuration (optional)

STANDARD ACCESSORIES:

1. Backplate for 9" chuck
2. Dead center MT.4
3. Dead center MT.4 with carbide tip
4. Sindle center sleeve MT.6
5. Level pads.....8 pcs
6. Tool set & Box
7. Operation manual & parts list

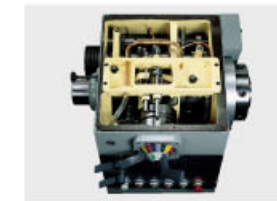
OPTIONAL ACCESSORIES:

1. 3-Jaws scroll 9" chuck
2. 4-Jaws independent 10" chuck
3. 5C collet closer attachment
4. 5C collets (metric or inch)
5. Driving plate with dog
6. Chuck safety guard
7. Hydraulic copying attachment
8. Tool post grinder attachment
9. Taper turning attachment
10. Electrical system for CE
11. Protective cover on leadscrew for CE
12. Steady rest w/ball bearing
13. Follow rest w/bronze tip
14. Faceplate 12"
15. Drill chuck & arbor
16. Rotating center MT.4
17. Halogen lamp
18. Quick change tool post
19. Carriage micro stop set
20. Digital read out system
21. Full length splash guard



Lubrication

- The pressure lubrication system for headstock ensures its smooth operation during high speed cutting.
- Designed with oil level inspection window.



Headstock

- Gears are hardened and ground by MAAG or REISHAUER Gear Grinder.
- Low noise, low vibration, low temperature growth.



From 2 Steps to 16 Steps Heavy Duty Gearbox

- All bearing seats / shaft seats are fine bored for optimum performance. Low vibration, low noise.
- All gears are hardened and ground by Swiss / German gear grinding machines.
- Oil lubricated for stable temperature growth.



Apron

- Integrated control for automatic longitudinal and cross feeds, forward and backward feeds.
- Right Hand or Left Hand wheel is available upon request.



Carriage & Slide

- Anti-float design of backlash eliminator is fitted in the cross slide nut.
- Safety clutch at the feed shaft.
- One shot lubrication for the carriage and top slide.
- Machine with dual dials is fitted with imperial screws.
- Machine with only metric dial is fitted with metric screws.



From 18 rpm to 3000 rpm Full Range Spindle Configurations

- Either for high torque heavy duty turning or high speed quality surface finish turning, L&W Lathes offer various spindle configurations to meet different job demands.
- Material: Hardened alloy steel.
 - Dynamic balanced with minimum run-out and maximum cutting performance.
 - Employs heavy duty roller bearings with 3-point support.

SPECIFICATIONS:

	Item	B-1550	B-1550V
Capacity	Height of centers	190 mm (7.48")	
	Swing over bed	ø380 mm (14.96")	
	Swing in gap	ø610 mm (24")	
	Swing over cross slide	ø238 mm (9.37")	
	Distance between centers	1250 mm (50")	
	Width of bed	280 mm (11")	
	Gap width in front of faceplate	265mm (10.43")	
Headstock and Main Spindle	Spindle nose, internal taper	D1-6, MT.No.6	
	Spindle center sleeve	MT. No.6 x MT. No.4	
	Spindle bore	ø56 mm (2.2")	
	Spindle speed:	16 steps / 25~2000 R.P.M. Green 25 80 260 840 Yellow 33 108 350 1120 Red 45 140 470 1500 Blue 60 190 625 2000	4 steps / MH 235~780 R.P.M. H 753~2500 R.P.M.
	Range	"MATRIX" Disc clutch for Forward / Reverse	Infinitely variable
Carriage	Length on bed / Width of carriage	484 mm (19.05") / 450 mm (17.71")	
	Cross slide travel	235 mm (9.25")	
	Top slide travel	120 mm (4.72")	
Threads and Feeds	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.	
	Metric threads: Kinds / Range	39 Kinds / 0.2~14 mm	
	D.P. threads: Kinds / Range	21 Kinds / 8~44 D.P.	
	M.P. threads: Kinds / Range	18 Kinds / 0.3~3.5 M.P.	
	Longitudinal feeds	0.04~1.0 mm (0.0015"~0.04")	
Tailstock	Cross feeds	0.02~0.5 mm (0.00075"~0.02")	
	Quill diameter	ø59 mm (2.322")	
	Quill travel	127 mm (5")	
Motor	Taper of center	MT.No.4	
	Main spindle	7.5HP	AC 5.5kW (7.5HP), Inverter
	Forced lubrication for HD. Coolant pump	— / —	1/4HP

Specifications subject to change without notice.

S Series

HIGH SPEED PRECISION LATHES

Swing Over Bed: 18" or 21" (460 or 533 mm)

Spindle Speed: 12 Steps 30~1500 rpm

Range of distance between centers: 850 / 1350 mm.

Spindle Bore: 80 mm (3.149")



S-1840/1860
-2140/2160

Photo shown model: S-2160



Photo shown model: S-1840

FEATURES:

- Machine base is made from one piece stress-relieved cast iron.
- Extra wide bed ways.
- Universal feed gearbox.
- Reversible apron.
- HS-70 slideway is coated with Turcite B between bed and carriage.
- Foot switch.
- Built-in coolant pump.
- CE configuration (optional)

STANDARD ACCESSORIES:

1. Backplate for 10" chuck
2. Dead center MT.5
3. Dead center MT.4 with carbide tip
4. Spindle center sleeve....ø85mm Taper 1/19.18
5. Level pads.....6 pcs
6. Tool set & Box
7. Operation manual & parts list

OPTIONAL ACCESSORIES:

1. 3-Jaws scroll 10" chuck
2. 4-Jaws independent 12" chuck
3. 5C collet closer attachment
4. 5C collets (metric or inch)
5. Faceplate 14"
6. Chuck safety guard
7. Hydraulic copying attachment
8. Tool post grinder attachment
9. Taper turning attachment
10. Electrical system for CE
11. Protective cover on leadscrew for CE
12. Steady rest w/ball bearing
13. Follow rest w/bronze tip
14. Drill chuck & arbor
15. Rotating center MT.4
16. Halogen lamp
17. Quick change tool post
18. Carriage micro stop set
19. Digital read out system
20. Full length splash guard



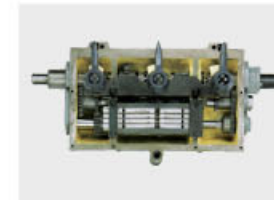
Headstock

- Gears are hardened and ground by MAAG or REISHAUER Gear Grinder.
- Low noise, low vibration, low temperature growth.



Apron

- Integrated control for automatic longitudinal and cross feeds, forward and backward feeds.
- Right Hand or Left Hand wheel is available upon request.



From 2 Steps to 16 Steps Heavy Duty Gearbox

- All bearing seats / shaft seats are fine bored for optimum performance. Low vibration, low noise.
- All gears are hardened and ground by Swiss / German gear grinding machines.
- Oil lubricated for stable temperature growth.



From 18 rpm to 3000 rpm Full Range Spindle Configurations

- Either for high torque heavy duty turning or high speed quality surface finish turning, L&W Lathes offer various spindle configurations to meet different job demands.
- Material: Hardened alloy steel.
 - Dynamic balanced with minimum run-out and maximum cutting performance.
 - Employs heavy duty roller bearings with 3-point support.



Carriage & Slide

- Anti-float design of backlash eliminator is fitted in the cross slide nut.
- Safety clutch at the feed shaft.
- One shot lubrication for the carriage and top slide.
- Machine with dual dials is fitted with imperial screws.
- Machine with only metric dial is fitted with metric screws.

SPECIFICATIONS:

	Item	S-1840	S-1860	S-2140	S-2160		
Capacity	Height of centers	231 mm (9.09")		271 mm (10.67")			
	Swing over bed	ø460 mm (18.11")		ø533 mm (20.98")			
	Swing in gap	ø650 mm (25.6")		ø730 mm (28.74")			
	Swing over cross slide	ø307 mm (12.1")		ø387 mm (15.23")			
	Distance between centers	850 mm (33.46")	1350 mm (53.15")	850 mm (33.46")	1350 mm (53.15")		
	Width of bed					305 mm (12")	
Headstock and Main Spindle	Gap width in front of faceplate					165 mm (6.5")	
	Spindle nose, internal taper					D1-8, ø85 mm Taper 1/19.18	
	Spindle center sleeve					ø85 mm Taper 1/19.18 x MT. No.5	
	Spindle bore					ø80 mm (3.149")	
	Spindle speed:	Gear steps					12 steps / 30~1500 R.P.M.
		Range					$\frac{Ls}{Ms} = \frac{30}{110} - \frac{45}{150} - \frac{60}{210} - \frac{90}{320}$ $\frac{Hs}{Hs} = \frac{530}{750} - \frac{750}{1050} - \frac{1050}{1500}$
Carriage	Length on bed / Width of carriage					440 mm (17.32") / 477 mm (18.77")	
	Cross slide travel					272 mm (10.7")	
	Top slide travel					160 mm (6.3")	
Threads and Feeds	Whitworth threads: Kinds / Range					45 Kinds / 2~72 T.P.I.	
	Metric threads: Kinds / Range					39 Kinds / 0.2~14 mm	
	D.P. threads: Kinds / Range					21 Kinds / 8~44 D.P.	
	M.P. threads: Kinds / Range					18 Kinds / 0.3~3.5 M.P.	
	Longitudinal feeds					0.04~1.0 mm (0.0015"~0.04")	
Tailstock	Cross feeds					0.02~0.5 mm (0.00075"~0.02")	
	Quill diameter					ø68 mm (2.677")	
	Quill travel					153 mm (6")	
	Taper of center					MT.No.4	
Motor	Main spindle			7.5HP	10HP		
	Coolant pump			1/8HP			

Specifications subject to change without notice.

M Series

HIGH SPEED PRECISION LATHES

Swing Over Bed: 17" or 20" (432 or 508 mm)

Spindle Speed: 12 Steps 36~1800 rpm
3 Steps 30~2200 rpm (V Models)

Range of distance between centers: 1000 / 1500 mm.

Spindle Bore: 80 mm (3.149")



M-1740/1760/2040/2060
-1740V/1760V/2040V/2060V

Photo shown model: M-1760V

FEATURES:

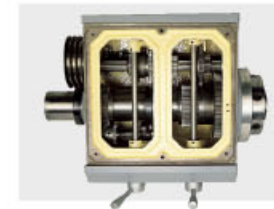
- Machine base is made from one piece stress-relieved cast iron.
- Extra wide bed ways.
- Universal feed gearbox.
- Reversible apron.
- HS-70 slideway is coated with Turcite B between bed and carriage.
- Hardened cross slide.
- Foot switch.
- Built-in coolant pump.
- Constant surface speed, or CSS function. (Optional, for models with variable speed spindle)
- CE configuration (optional)

STANDARD ACCESSORIES:

1. Backplate for 10" chuck
2. Dead center MT.5
3. Dead center MT.4 with carbide tip
4. Spindle center sleeve....ø85mm Taper 1/19.18
5. Level pads.....6 pcs
6. Tool set & Box
7. Operation manual & parts list

OPTIONAL ACCESSORIES:

1. 3-Jaws scroll 10" chuck
2. 4-Jaws independent 10" chuck
3. 5C collet closer attachment
4. 5C collets (metric or inch)
5. Driving plate with dog
6. Chuck safety guard
7. Hydraulic copying attachment
8. Tool post grinder attachment
9. Taper turning attachment
10. Electrical system for CE
11. Protective cover on leadscrew for CE
12. Steady rest w/ball bearing
13. Follow rest w/bronze tip
14. Faceplate 12"
15. Drill chuck & arbor
16. Rotating center MT.4
17. Halogen lamp
18. Quick change tool post
19. Carriage micro stop set
20. Digital read out system
21. Full length splash guard



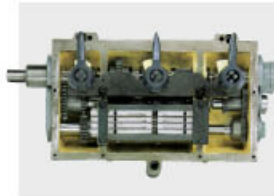
Headstock

- Gears are hardened and ground by MAAG or REISHAUER Gear Grinder.
- Low noise, low vibration, low temperature growth.



Apron

- Integrated control for automatic longitudinal and cross feeds, forward and backward feeds.
- Right Hand or Left Hand wheel is available upon request.



From 2 Steps to 16 Steps Heavy Duty Gearbox

- All bearing seats / shaft seats are fine bored for optimum performance. Low vibration, low noise.
- All gears are hardened and ground by Swiss / German gear grinding machines.
- Oil lubricated for stable temperature growth.



From 18 rpm to 3000 rpm Full Range Spindle Configurations

- Either for high torque heavy duty turning or high speed quality surface finish turning, L&W Lathes offer various spindle configurations to meet different job demands.
- Material: Hardened alloy steel.
 - Dynamic balanced with minimum run-out and maximum cutting performance.
 - Employs heavy duty roller bearings with 3-point support.



Carriage & Slide

- Anti-float design of backlash eliminator is fitted in the cross slide nut.
- Safety clutch at the feed shaft.
- One shot lubrication for the carriage and top slide.
- Machine with dual dials is fitted with imperial screws.
- Machine with only metric dial is fitted with metric screws.

SPECIFICATIONS:

	Item	M-1740 M-1760	M-2040 M-2060	M-1740V M-1760V	M-2040V M-2060V	
Capacity	Height of centers	216 mm (8.5")	254 mm (10")	216 mm (8.5")	254 mm (10")	
	Swing over bed	ø432 mm (17")	ø508 mm (20")	ø432 mm (17")	ø508 mm (20")	
	Swing in gap	ø622 mm (24.48")	ø698 mm (27.48")	ø622 mm (24.48")	ø698 mm (27.48")	
	Swing over cross slide	ø277 mm (10.9")	ø353 mm (13.89")	ø277 mm (10.9")	ø353 mm (13.89")	
	Distance between centers	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")	
	Width of bed	305 mm (12")				
Headstock and Main Spindle	Gap width in front of faceplate	195 mm (7.67")				
	Spindle nose, internal taper	D1-6, ø85 mm Taper 1/19.18				
	Spindle center sleeve	ø85 mm Taper 1/19.18 x MT. No.5				
	Spindle bore	ø80 mm (3.149")				
	Spindle speed:	Gear steps	12 steps / 36~1800 R.P.M.		L _ _ 30~125 R.P.M. M _ _ 125~450 R.P.M.	
		Range	A _ 36 _ 50 _ 70 _ 105 B _ 130 180 _ 250 _ 380 C 620 900 1200 1800		3 steps / H _ 450~2200 R.P.M. Infinitely variable	
Carriage	Length on bed / Width of carriage	440 mm (17.32") / 477 mm (18.77")				
	Cross slide travel	235 mm (9.25")	272 mm (10.7")	235 mm (9.25")	272 mm (10.7")	
	Top slide travel	160 mm (6.3")				
Threads and Feeds	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.				
	Metric threads: Kinds / Range	39 Kinds / 0.2~14 mm				
	D.P. threads: Kinds / Range	21 Kinds / 8~44 D.P.				
	M.P. threads: Kinds / Range	18 Kinds / 0.3~3.5 M.P.				
	Longitudinal feeds	0.04~1.0 mm (0.0015"~0.04")				
Tailstock	Cross feeds	0.02~0.5 mm (0.00075"~0.02")				
	Quill diameter	ø59 mm (2.322")				
	Quill travel	127 mm (5")				
	Taper of center	MT.No.4				
Motor	Main spindle	7.5HP		AC 5.5kW (7.5HP), Inverter		
	Forced lubrication for HD.	-----				
	Coolant pump	-----		1/8HP		

Specifications subject to change without notice.

C Series

HIGH SPEED PRECISION LATHES

Swing Over Bed: 17" (432 mm)

Spindle Speed: 8 Steps 80~2000 rpm

16 Steps 40~2000 rpm (Opt.)

2 Steps 20~2500 rpm (V Models)

Range of distance between centers: 1000 / 1500 mm.

Spindle Bore: 52 mm (2.066")



**C-1740/1760
-1740V/1760V**

Photo shown model: C-1740

FEATURES:

- Machine base is made from one piece stress-relieved cast iron.
- Extra wide bed ways.
- Universal feed gearbox.
- Reversible apron.
- HS-70 slideway is coated with Turcite B between bed and carriage.
- Hardened cross slide.
- Foot switch.
- Built-in coolant pump.
- Constant surface speed, or CSS function. (Optional, for models with variable speed spindle)
- CE configuration (optional)

STANDARD ACCESSORIES:

1. Backplate for 9" chuck
2. Dead center MT.4
3. Dead center MT.4 with carbide tip
4. Spindle center sleeve MT.6
5. Level pads.....6 pcs
6. Tool set & Box
7. Operation manual & parts list

OPTIONAL ACCESSORIES:

1. 3-Jaws scroll 9" chuck
2. 4-Jaws independent 9" chuck
3. 5C collet closer attachment
4. 5C collets (metric or inch)
5. Driving plate with dog
6. Chuck safety guard
7. Hydraulic copying attachment
8. Tool post grinder attachment
9. Taper turning attachment
10. Electrical system for CE
11. Protective cover on leadscrew for CE
12. Steady rest w/ball bearing
13. Follow rest w/bronze tip
14. Faceplate 12"
15. Drill chuck & arbor
16. Rotating center MT.4
17. Halogen lamp
18. Quick change tool post
19. Carriage micro stop set
20. Digital read out system
21. Full length splash guard



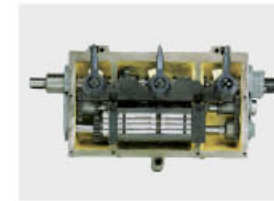
Headstock

- Gears are hardened and ground by MAAG or REISHAUER Gear Grinder.
- Low noise, low vibration, low temperature growth.



Apron

- Integrated control for automatic longitudinal and cross feeds, forward and backward feeds.
- Right Hand or Left Hand wheel is available upon request.



From 2 Steps to 16 Steps Heavy Duty Gearbox

- All bearing seats / shaft seats are fine bored for optimum performance. Low vibration, low noise.
- All gears are hardened and ground by Swiss / German gear grinding machines.
- Oil lubricated for stable temperature growth.



From 18 rpm to 3000 rpm Full Range Spindle Configurations

- Either for high torque heavy duty turning or high speed quality surface finish turning, L&W Lathes offer various spindle configurations to meet different job demands.
- Material: Hardened alloy steel.
 - Dynamic balanced with minimum run-out and maximum cutting performance.
 - Employs heavy duty roller bearings with 3-point support.



Carriage & Slide

- Anti-float design of backlash eliminator is fitted in the cross slide nut.
- Safety clutch at the feed shaft.
- One shot lubrication for the carriage and top slide.
- Machine with dual dials is fitted with imperial screws.
- Machine with only metric dial is fitted with metric screws.

SPECIFICATIONS:

	Item	C-1740	C-1760	C-1740V	C-1760V	
Capacity	Height of centers	216 mm (8.5")				
	Swing over bed	ø432 mm (17")				
	Swing in gap	ø622 mm (24.48")				
	Swing over cross slide	ø277 mm (10.9")				
	Distance between centers	1000 mm (40")	1500 mm (60")	1000 mm (40")	1500 mm (60")	
	Width of bed	305 mm (12")				
Headstock and Main Spindle	Gap width in front of faceplate	120 mm (4.72")				
	Spindle nose, internal taper	D1-6, MT.No.6				
	Spindle center sleeve	MT. No.6 x MT. No.4				
	Spindle bore	ø52.5 mm (2.066")				
	Spindle speed:	Gear steps	8 steps 4P / 80~2000 R.P.M.		2 steps / $\frac{L}{H}$ 20~400 R.P.M. 4P H 400~2500 R.P.M.	
		Range	OPT. 16 steps / $\frac{8P}{4P}$ 40~1000 R.P.M. 4P / 8P 80~2000 R.P.M.		Infinitely variable	
Carriage	Length on bed / Width of carriage	440 mm (17.32") / 477 mm (18.77")				
	Cross slide travel	235 mm (9.25")				
	Top slide travel	160 mm (6.3")				
Threads and Feeds	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.				
	Metric threads: Kinds / Range	39 Kinds / 0.2~14 mm				
	D.P. threads: Kinds / Range	21 Kinds / 8~44 D.P.				
	M.P. threads: Kinds / Range	18 Kinds / 0.3~3.5 M.P.				
	Longitudinal feeds	0.04~1.0 mm (0.0015"~0.04")				
Tailstock	Cross feeds	0.02~0.5 mm (0.00075"~0.02")				
	Quill diameter	ø59 mm (2.322")				
	Quill travel	127 mm (5")				
	Taper of center	MT.No.4				
Motor	Main spindle	5HP 4P OPT. 7.5HP 4P/3.75 HP 8P		AC 3.7kW (5HP), Inverter		
	Forced lubrication for HD.	-----		1/4HP		
	Coolant pump	1/8HP				

Specifications subject to change without notice.

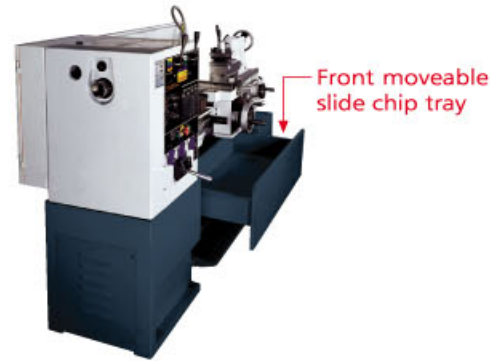
T Series

HIGH SPEED PRECISION LATHES

Swing Over Bed: 16" (410 mm)
Spindle Speed: 12 Steps 36~1800 rpm
Range of distance between centers: 1000 / 1500 mm.
Spindle Bore: 52.5 mm (2.066")



T-1640/1660
 Photo shown model: T-1640



FEATURES:

- Machine base is made from one piece stress-relieved cast iron.
- Extra wide bed ways.
- Universal feed gearbox.
- Reversible apron.
- HS-70 slideway is coated with Turcite B between bed and carriage.
- Foot switch.
- Built-in coolant pump.
- CE configuration (optional)

STANDARD ACCESSORIES:

1. Backplate for 9" chuck
2. Dead center MT.4
3. Dead center MT.4 with carbide tip
4. Spindle center sleeve MT.6
5. Level pads.....6 pcs
6. Tool set & Box
7. Operation manual & parts list

OPTIONAL ACCESSORIES:

1. 3-Jaws scroll 9" chuck
2. 4-Jaws independent 10" chuck
3. 5C collet closer attachment
4. 5C collets (metric or inch)
5. Driving plate with dog
6. Chuck safety guard
7. Hydraulic copying attachment
8. Tool post grinder attachment
9. Taper turning attachment
10. Electrical system for CE
11. Protective cover on leadscrew for CE
12. Steady rest w/ball bearing
13. Follow rest w/bronze tip
14. Faceplate 12"
15. Drill chuck & arbor
16. Rotating center MT.4
17. Halogen lamp
18. Quick change tool post
19. Carriage micro stop set
20. Digital read out system
21. Full length splash guard



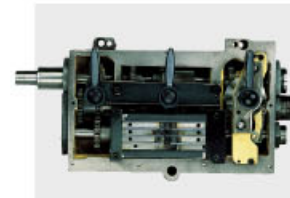
Headstock

- Gears are hardened and ground by MAAG or REISHAUER Gear Grinder.
- Low noise, low vibration, low temperature growth.



Apron

- Integrated control for automatic longitudinal and cross feeds, forward and backward feeds.
- Right Hand or Left Hand wheel is available upon request.



From 2 Steps to 16 Steps Heavy Duty Gearbox

- All bearing seats / shaft seats are fine bored for optimum performance. Low vibration, low noise.
- All gears are hardened and ground by Swiss / German gear grinding machines.
- Oil lubricated for stable temperature growth.



From 18 rpm to 3000 rpm Full Range Spindle Configurations

- Either for high torque heavy duty turning or high speed quality surface finish turning, L&W Lathes offer various spindle configurations to meet different job demands.
- Material: Hardened alloy steel.
 - Dynamic balanced with minimum run-out and maximum cutting performance.
 - Employs heavy duty roller bearings with 3-point support.



Carriage & Slide

- Anti-float design of backlash eliminator is fitted in the cross slide nut.
- Safety clutch at the feed shaft.
- One shot lubrication for the carriage and top slide.
- Machine with dual dials is fitted with imperial screws.
- Machine with only metric dial is fitted with metric screws.

SPECIFICATIONS:

	Item	T-1640	T-1660	
Capacity	Height of centers	205 mm (8.07")		
	Swing over bed	ø410 mm (16.14")		
	Swing in gap	ø583 mm (22.95")		
	Swing over cross slide	ø264 mm (10.39")		
	Distance between centers	1000 mm (40")	1500 mm (60")	
	Width of bed	260 mm (10.236")		
Headstock and Main Spindle	Gap width in front of faceplate	135 mm (5.31")	225 mm (8.85")	
	Spindle nose, internal taper	D1-6, MT. No.6		
	Spindle center sleeve	MT. No.6 x MT. No.4		
	Spindle bore	ø52.5 mm (2.066")		
	Spindle speed:	Gear steps	12 steps / 36~1800 R.P.M.	
		Range	L 36 50 70 105 M 130 180 250 380 H 620 900 1200 1800	
Carriage	Length on bed / Width of carriage	513 mm (20.19") / 412 mm (16.22")		
	Cross slide travel	220 mm (8.6")		
	Top slide travel	130 mm (5.1")		
Threads and Feeds	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.		
	Metric threads: Kinds / Range	39 Kinds / 0.2~14 mm		
	D.P. threads: Kinds / Range	21 Kinds / 8~44 D.P.		
	M.P. threads: Kinds / Range	18 Kinds / 0.3~3.5 M.P.		
	Longitudinal feeds	0.05~1.7 mm (0.002"~0.067")		
	Cross feeds	0.025~0.85 mm (0.001"~0.034")		
Tailstock	Quill diameter	ø52 mm (2.47")		
	Quill travel	152 mm (6")		
	Taper of center	MT.No.4		
Motor	Main spindle	5HP		
	Coolant pump	1/8HP		

Specifications subject to change without notice.

R Series

HIGH SPEED PRECISION LATHES

Swing Over Bed: 14" or 16" (360 or 406 mm)

Spindle Speed: 8 Steps 70~1800 rpm
16 Steps 40~2000 rpm (Opt.)
2 Steps 20~2000 rpm (V Models)

Range of distance between centers: 1000 / 1500 mm.

Spindle Bore: 52.5 mm (2.066")



CSS (Constant Surface Speed Control) is available upon request.



R-1440/1460
-1640/1660

Photo shown model: R-1440



Photo shown model: R-1640V
w/protect cover on leadscrew

FEATURES:

- Stress-relieved cast iron and extra wide bed ways.
- High reliability mechanical clutch. (Except machines with EVS control)
- HS-70 slideway is coated with Turcite B between bed and carriage.
- Automatic lubrication system.
- Foot switch.
- Built-in coolant pump.
- Constant surface speed, or CSS function. (Optional, for models with variable speed spindle)
- CE configuration (optional)

STANDARD ACCESSORIES:

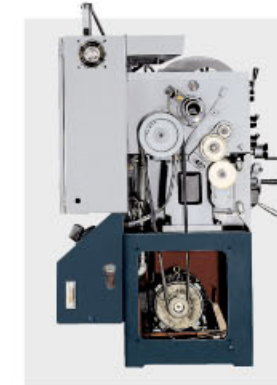
1. Backplate for 9" chuck
2. Dead center MT.4
3. Dead center MT.4 with carbide tip
4. Spindle center sleeve MT.6
5. Level pads.....6 pcs
6. Tool set & Box
7. Operation manual & parts list

OPTIONAL ACCESSORIES:

1. 3-Jaws scroll 9" chuck
2. 4-Jaws independent 10" chuck
3. 5C collet closer attachment
4. 5C collets (metric or inch)
5. Driving plate with dog
6. Chuck safety guard
7. Hydraulic copying attachment
8. Tool post grinder attachment
9. Taper turning attachment
10. Electrical system for CE
11. Protective cover on leadscrew for CE
12. Steady rest w/ball bearing
13. Follow rest w/bronze tip
14. Faceplate 12"
15. Drill chuck & arbor
16. Rotating center MT.4
17. Halogen lamp
18. Quick change tool post
19. Carriage micro stop set
20. Digital read out system
21. Full length splash guard

E.V.S Model Electric Control & Headstock

- The electric cabinet is sealed against the ingress of water, dust and cutting chips.
- Applicable for machines with CE Mark.
- Combines forced lubrication and oil bath system in the headstock.
- Electronic infinitely variable speed control with AC motor inverter
- Embedded rpm LED display and control knob.
- Unique 2 Steps gearbox for high torque and high speed cutting.

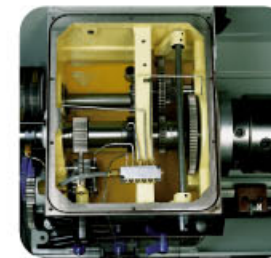


E.V.S Model Electric Control & Headstock

- Electronic control panel is located on the top of head stock, with RPM display unit, speed control knob, emergency stop and motor start push button.
- Electronic infinitely variable speed with AC motor inverter.
- Two gear speed supplies a high torque in low spindle speed.

Headstock

- Gears are hardened and ground by MAAG or REISHAUER Gear Grinder.
- Low noise, low vibration, low temperature growth.



From 18 rpm to 3000 rpm Full Range Spindle Configurations

- Either for high torque heavy duty turning or high speed quality surface finish turning, L&W Lathes offer various spindle configurations to meet different job demands.
- Material: Hardened alloy steel.
 - Dynamic balanced with minimum run-out and maximum cutting performance.
 - Employs heavy duty roller bearings with 3-point support.

SPECIFICATIONS:

	Item	R-1440 R-1460	R-1640 R-1660	R-1440V R-1460V	R-1640V R-1660V
Capacity	Height of centers	180 mm (7.08")	205 mm (8.07")	180 mm (7.08")	205 mm (8.07")
	Swing over bed	ø360 mm (14.17")	ø410 mm (16.14")	ø360 mm (14.17")	ø410 mm (16.14")
	Swing in gap	ø533 mm (20.98")	ø583 mm (22.95")	ø533 mm (20.98")	ø583 mm (22.95")
	Swing over cross slide	ø214 mm (8.42")	ø264 mm (10.39")	ø214 mm (8.42")	ø264 mm (10.39")
	Distance between centers	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")	1000 mm (40") 1500 mm (60")
	Width of bed	260 mm (10.236")			
Headstock and Main Spindle	Gap width in front of faceplate	135 mm (5.31") 225 mm (8.85")	135 mm (5.31") 225 mm (8.85")	135 mm (5.31") 225 mm (8.85")	135 mm (5.31") 225 mm (8.85")
	Spindle nose, internal taper	D1-6, MT. No.6			
	Spindle center sleeve	MT. No.6 x MT. No.4			
	Spindle bore	ø52.5 mm (2.066")			
	Spindle speed: / Range	8 steps 4P / 70~1800 R.P.M. OPT. 16 steps / 4P - 40~1000 R.P.M. 4P / 8P - 80~2000 R.P.M.		2 steps / L 20~400 R.P.M. 4P H 400~2500 R.P.M. 25~3000 R.P.M. (OPT.) Infinitely variable	
Carriage	Length on bed / Width of carriage	513 mm (20.19") / 412 mm (16.22")			
	Cross slide travel	220 mm (8.6")			
	Top slide travel	130 mm (5.1")			
Threads and Feeds	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.			
	Metric threads: Kinds / Range	39 Kinds / 0.2~14 mm			
	D.P. threads: Kinds / Range	21 Kinds / 8~44 D.P.			
	M.P. threads: Kinds / Range	18 Kinds / 0.3~3.5 M.P.			
	Longitudinal feeds	0.05~1.7 mm (0.002"~0.067")			
Tailstock	Cross feeds	0.025~0.85 mm (0.001"~0.034")			
	Quill diameter	ø52 mm (2.047")			
	Quill travel	152 mm (6")			
Motor	Taper of center	MT. No.4			
	Main spindle	5HP4P	OPT.5HP 4P / 2.5HP 8P	AC 3.7kW (5HP), Inverter	
	Forced lubrication for HD. Coolant pump			1/4HP 1/8HP	

Specifications subject to change without notice.

E Series

HIGH SPEED PRECISION LATHES

Swing Over Bed: 13" (340 mm)

Spindle Speed: 8 Steps 80~2000 rpm
16 Steps 50~2570 rpm (Opt)
2 Steps 100~3000 rpm (V Models)

Range of distance between centers: 760 / 1000 mm.

Spindle Bore: 40 mm (1.57")



E-1330/1340

Photo shown model: E-1340
w/protect cover on leadscrew



E-1330V/1340V

Photo shown model: E-1340V

FEATURES:

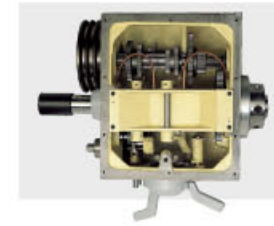
- Machine base is made from one piece stress-relieved cast iron.
- Extra wide bed ways.
- Universal feed gearbox.
- Reversible apron.
- HS-70 slideway is coated with Turcite B between bed and carriage.
- Foot switch.
- Built-in coolant pump.
- CE configuration (optional)

STANDARD ACCESSORIES:

1. Backplate for 7" chuck
2. Dead center MT.3
3. Dead center MT.3 with carbide tip
4. Spindle center sleeve MT.5
5. Level pads.....6 pcs
6. Tool set & Box
7. Operation manual & parts list

OPTIONAL ACCESSORIES:

1. 3-Jaws scroll 7" chuck
2. 4-Jaws independent 8" chuck
3. 5C collet closer attachment
4. 5C collets (metric or inch)
5. Driving plate with dog
6. Chuck safety guard
7. Hydraulic copying attachment
8. Tool post grinder attachment
9. Taper turning attachment
10. Electrical system for CE
11. Protective cover on leadscrew for CE
12. Steady rest w/ball bearing
13. Follow rest w/bronze tip
14. Faceplate 12"
15. Drill chuck & arbor
16. Rotating center MT.3
17. Halogen lamp
18. Quick change tool post
19. Carriage micro stop set
20. Digital read out system
21. Full length splash guard



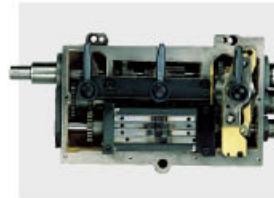
Headstock

- Gears are hardened and ground by MAAG or REISHAUER Gear Grinder.
- Low noise, low vibration, low temperature growth.



Apron

- Integrated control for automatic longitudinal and cross feeds, forward and backward feeds.
- Right Hand or Left Hand wheel is available upon request.



From 2 Steps to 16 Steps Heavy Duty Gearbox

- All bearing seats / shaft seats are fine bored for optimum performance. Low vibration, low noise.
- All gears are hardened and ground by Swiss / German gear grinding machines.
- Oil lubricated for stable temperature growth.



From 18 rpm to 3000 rpm Full Range Spindle Configurations

- Either for high torque heavy duty turning or high speed quality surface finish turning, L&W Lathes offer various spindle configurations to meet different job demands.
- Material: Hardened alloy steel.
 - Dynamic balanced with minimum run-out and maximum cutting performance.
 - Employs heavy duty roller bearings with 3-point support.



Carriage & Slide

- Anti-float design of backlash eliminator is fitted in the cross slide nut.
- Safety clutch at the feed shaft.
- One shot lubrication for the carriage and top slide.
- Machine with dual dials is fitted with imperial screws.
- Machine with only metric dial is fitted with metric screws.

SPECIFICATIONS:

	Item	E-1330	E-1340	E-1330V	E-1340V	
Capacity	Height of centers	171 mm (6.73")				
	Swing over bed	ø340 mm (13.38")				
	Swing in gap	ø512 mm (20") Not available for 1330				
	Swing over cross slide	ø205 mm (8.07")				
	Distance between centers	760 mm (30")	1000 mm (40")	760 mm (30")	1000 mm (40")	
	Width of bed	230 mm (9")				
Headstock and Main Spindle	Gap width in front of faceplate	150 mm (5")				
	Spindle nose, internal taper	D1-4, MT. No.5				
	Spindle center sleeve	MT. No.5 x MT. No.3				
	Spindle bore	ø40 mm (1.57")				
	Spindle speed:	Gear steps	8 steps 4P / 80~2000 R.P.M.		2 steps / L 100~500 R.P.M. 4P H 500~3000 R.P.M.	
		Range	OPT. 16 steps / 4P - 50~1305 R.P.M. 2P / 4P - 100~2570 R.P.M.		Infinitely variable	
Carriage	Length on bed / Width of carriage	400 mm (15.748") / 384 mm (15.118")				
	Cross slide travel	180 mm (7")				
	Top slide travel	100 mm (4")				
Threads and Feeds	Whitworth threads: Kinds / Range	45 Kinds / 2~72 T.P.I.				
	Metric threads: Kinds / Range	39 Kinds / 0.2~14 mm				
	D.P. threads: Kinds / Range	21 Kinds / 8~44 D.P.				
	M.P. threads: Kinds / Range	18 Kinds / 0.3~3.5 M.P.				
	Longitudinal feeds	0.05~1.7 mm (0.002"~0.067")				
Tailstock	Cross feeds	0.025~0.85 mm (0.001"~0.034")				
	Quill diameter	ø50 mm (1.968")				
	Quill travel	112 mm (4.5")				
Motor	Taper of center	MT.No.3				
	Main spindle	3HP 4P OPT.5 HP 2P/2.5HP 4P		1/8HP	AC 2.2KW (3HP), Inverter	
	Coolant pump					

Specifications subject to change without notice.

Global Sales Network



MATCHMAKER *PRECISION LATHES*



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