



HIGH SPEED / HEAVY DUTY

PRECISION LATHE

- Conventional Type
- Inverter Controlled Type



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**HIGH SPEED AND HEAVY DUTY LATHES
DESIGNED TO HELP YOU STAY AHEAD!**

Maximize Productivity



Webb Machinery Lathes meet the Highest Quality Standards

Providing customers the best possible lathes is a strong commitment of Webb Machinery. To meet this commitment, we employ the total quality control system. Rigorous quality inspection is conducted throughout the entire manufacturing process. Before shipment, each machine is subject to comprehensive inspections and test for accuracy, operational performance and dependability.



Oversize Bed

- The massive bed is a box type construction combined with extra wide bed ways, providing increased rigidity and stability.
- Bed ways are hardened and precision ground to achieve excellent wear-resistance without deformation.



High Speed Precision Lathe

Conventional & Inverter Type (i)

Compact Construction!
Extra Smooth!
Economically Priced!

A heavy duty lathe designed to vastly improve your metal removal rate



MA-1730(i) / 1740(i)

Center Height & Dist Between Center	Spindle Bore	12-Step Spindle Speeds	Inverter Type (Variable Speeds)
230 x 750 / 1000 mm	Ø 58 mm (2")	20~2000 rpm	55~2800 rpm

A highly smooth conventional lathe with the optimal design for better turning performance



Conventional type



Inverter type (i)



MA-1840(i) / 1860(i) / 1880(i)

Center Height & Dist Between Center	Spindle Bore	18-Step Spindle Speeds	Inverter Type (Variable Speeds)
230 x 1000 / 1500 / 2000 mm	Ø 58 mm (2")	39~2800 rpm	33~3100 rpm

Heavy Duty Precision Lathe

Conventional & Inverter Type (i)

Integrates quality features that give you speed, precision and dependable performance year after year



MA-2140(i) / 2160(i) / 2180(i) / 21120(i)

Center Height & Dist Between Center	Spindle Bore	18-Step Spindle Speeds	Inverter Type (Variable Speeds)
270 x 1000 / 1500 / 2000 / 3000 mm	Ø 85 mm (3")	25~1545 rpm	27~2250 rpm
	Ø 105 mm (4")	23~1293 rpm	20~1500 rpm



Top Quality Turning Performance



Each machine is subject to comprehensive accuracy inspection prior to shipping.



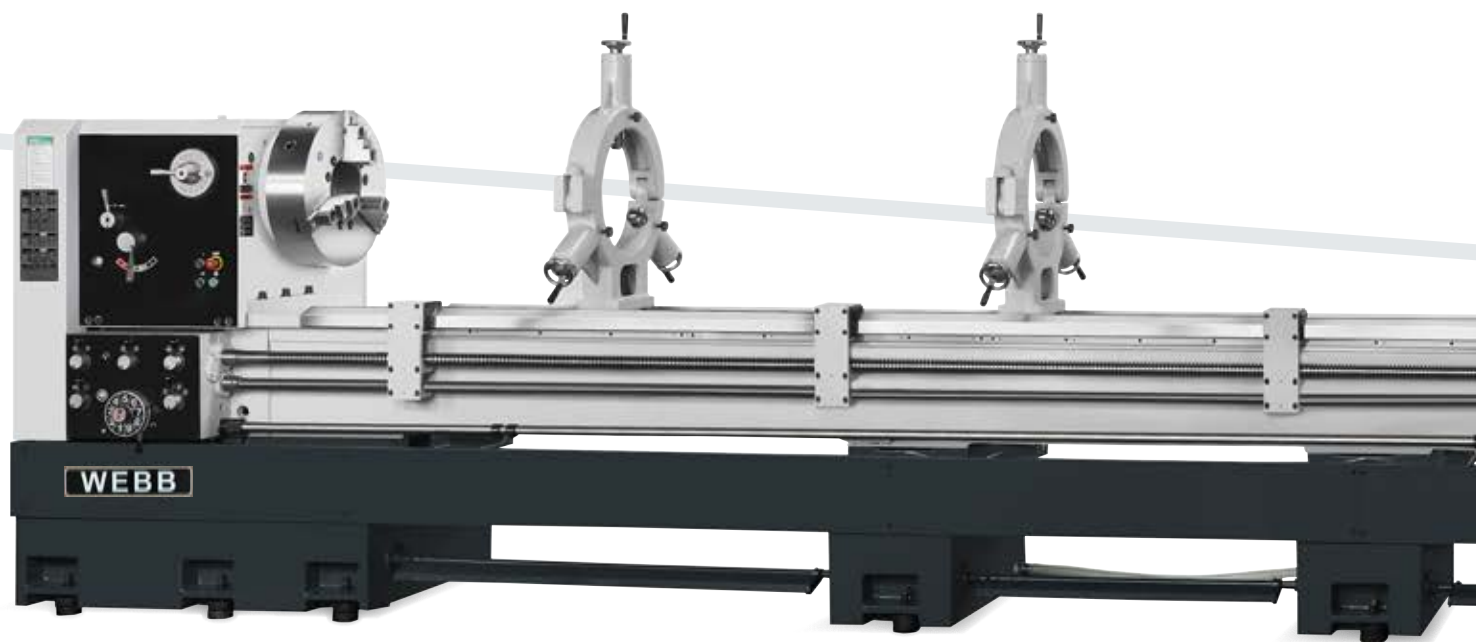
MA-2540(i) / 2560(i) / 2580(i) / 25120(i)

Center Height & Dist Between Center	Spindle Bore	18-Step Spindle Speeds	Inverter Type (Variable Speeds)
315 x 1000 / 1500 / 2000 / 3000 mm	Ø 85 mm (3")	25~1545 rpm	27~2250 rpm
	Ø 105 mm (4")	23~1293 rpm	20~1500 rpm
	Ø 155 mm (6")	13~690 rpm	10~800 rpm

Partners in Heavy Cutting

Conventional & Inverter Type (i)

A big-capacity series that is suitable for machining large workpiece.



MA-3060(i) / 3080(i) / 30120(i) / 30160(i) / 30200(i) / 30240(i)

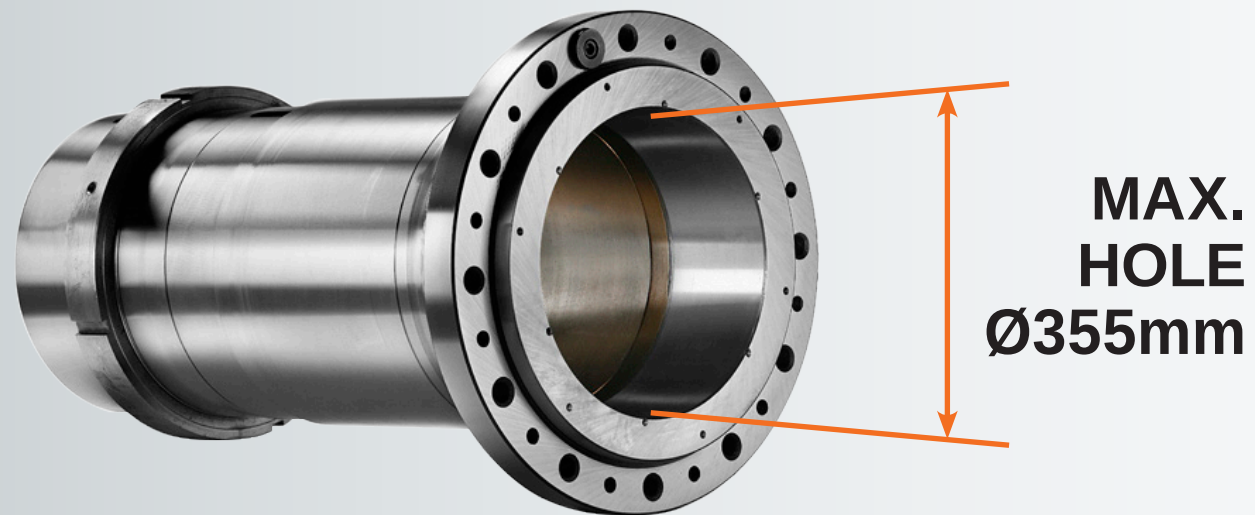
Center Height & Dist Between Center	Spindle Bore	18-Step Spindle Speeds	Inverter Type (Variable Speeds)
385 x 1600 / 2100 / 3100 / 4100 / 5100 / 6100 mm	Ø 105 mm (4")	23~1293 rpm	20~1500 rpm
	Ø 155 mm (6")	13~690 rpm	10~800 rpm

With inverter controlled, lathe turning operations become more convenience.



MA-3360(i) / 3380(i) / 33120(i) / 33160(i) / 33200(i) / 33240(i)

Center Height & Dist Between Center	Spindle Bore	18-Step Spindle Speeds	Inverter Type (Variable Speeds)
420 x 1600 / 2100 / 3100 / 4100 / 5100 / 6100 mm	Ø 105 mm (4")	23~1293 rpm	20~1500 rpm
	Ø 155 mm (6")	13~690 rpm	10~800 rpm
	Ø 230 mm (9")	-	6~450 rpm
	Ø 305 mm (12")	-	5~350 rpm



**MAX.
HOLE
Ø355mm**

Ø355mm Extra Large Spindle Hole

Webb Machinery Cutting -
edge technology allows us to develop extra large
spindle hole for customer's specific requirement.



Headstock

- The all-gear headstock provides a wide range of spindle speeds to select.
- Gear in the headstock are machined from chrome molybdenum alloy steel(SCM-21), carburized and precision ground for extremely smooth and quiet running.

Headstock Lubrication

- A combination of forced lubrication and oil bath lubrication allows the headstock to run smoothly.



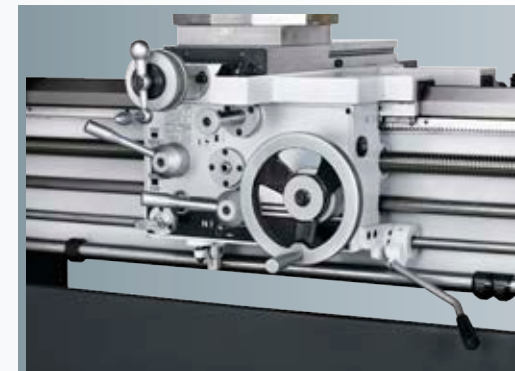
Gear Box

- Speed change, feed rate selection and inch/metric threading are conveniently performed without changing gear.
- The wide range of feed rate selection and threading are accomplished by turning three levers and on rotary dial.
- The gear box is oil-bath lubricated.



Compound Tool Post

- The slideways of carriage and saddle are hardened and precision ground for maximum wear resistance.
- Equipped with a hand lubricator for lubrication on longitudinal and cross slideways.



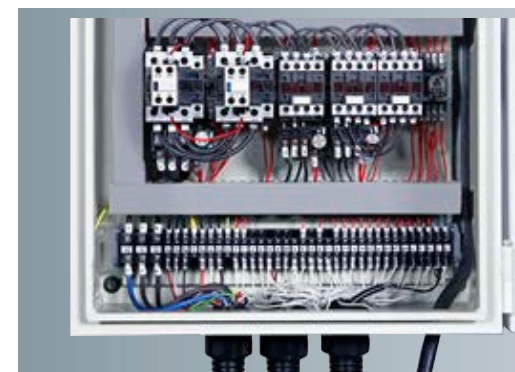
Apron

- The apron is designed with an interlock device to prevent simultaneously power feed and thread cutting.
- The apron form an oil reservoir, providing oil bath lubrication for all gears in the apron.



Rugged Tailstock

- The tailstock is ruggedly constructed, and easy to move along the bed.
- Excellent for precision turning and drilling.
- Tailstock quill is hardened and precision ground and graduated in inch and metric scales.



Electrical Cabinet

- The safely designed electrical cabinet is easy to maintain and install.
- A 110V or 240V protecting voltage avoids danger to the operator in case of electric shock.

Optional Equipment



Steady Rest (Opt.)

- The steady rest is applied for supporting a long workpiece, to prevent the workpiece from springing or bending.
- Jaws are adjustable to hold the workpiece at correct position.



Follow Rest (Opt.)

- The follow rest is mounted to the saddle and moves together with it.
- The function of the follow rest is to prevent a workpiece from springing away from the point of the cutting tool.



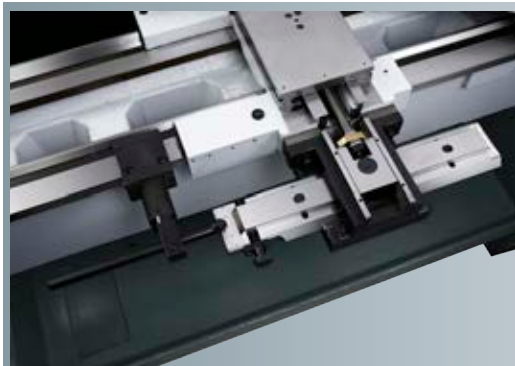
Turret Type 5-Position Bed Stopper (Opt.)

- The turret type 5-position bed stopper is mounted on the bed.
- The stopper is equipped with 5 adjustable reference screws.



Micrometer Bed Stopper (Opt.)

- The micrometer bed stopper is mounted on the bed.
- It provides convenience especially when workpiece requires correct shoulder length.



Taper Attachment (Opt.)

- The taper attachment is mounted on the back side of the bed, which can be adjusted along the bed to meet the machining requirement.
- For taper turning application.



3-Jaw Scroll Chuck (Opt.)

- The 3 jaws move in and out together to quickly hold a workpiece.
- Chuck diameter is dependent on lathe model.



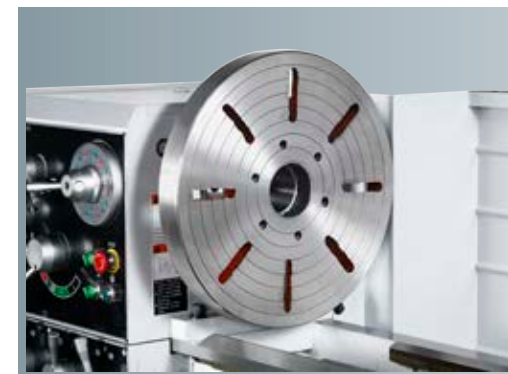
4-Jaw Independent Chuck (Opt.)

- The 4-jaw independent chuck is suitable for holding various irregular shaped workpieces.
- Each jaw as adjusted independently.
- The 4 jaws can be reversed to grip the inside or outside of a workpiece.
- Chuck diameter is dependent on lathe model.



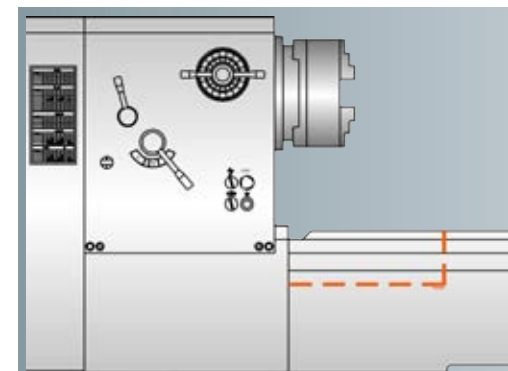
Double Chuck System (Opt.)

- The double chuck system is available for spindle bore over 4" in diameter.
- Open request, an additional chuck can be mounted at the rear end of the spindle.
- The double chuck system is used to clamp a long workpiece at two positions. That increases the stability of the workpiece.



Face Plate (Opt.)

- The face plate is applied to hold irregular shaped workpieces, which can not be clamped by a chuck.



Gap Bed (Opt.)

- The gap bed is a segment of bed, which can be removed to increase swing capacity.



Chuck Guard (Opt.)

- The chuck guard is mounted over the chuck, providing a safety protection during cutting.
- Auto power off in case the chuck guard is opened.



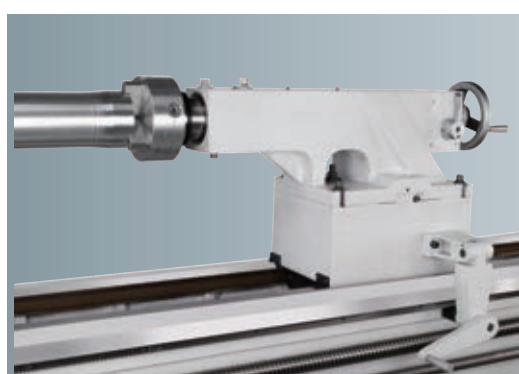
Chip and Coolant Shield (Opt.)

- The see-thru chips and coolant shield is mounted at the front of the saddle. It prevents operator from damage due to chips and coolant splashing.



Quick Change Tool Post (Opt.)

- The quick change tool post is equipped with a clamping lever for convenient fixing. It holds only one tool.
- Tool post with tool can be changed simultaneously to eliminate troublesome tool setting.



Rotating Quill of Tailstock (Opt.)

- For increasing loading capacity.
- Designed for turning long workpiece.



Work Light (Opt.)

Spec. MA-17 series

Conventional & Inverter Type (i)



MODEL	MA-1730(i)	MA-1740(i)
CAPACITY		
Center height	230 mm	
Swing over bed	460 mm	
Swing over gap	630 mm (opt.)	
Swing over cross slide	285 mm	
Distance between center	750 mm	1000 mm
Bed width	300 mm	
SPINDLE		
Spindle bore	58 mm (2")	
Spindle nose	A1-6	
Spindle speeds 12 steps -rpm	20~2000	
Inverter type (i) -rpm (Variable speeds)	H/L: 55~2500	
TRAVEL		
Cross slide travel	250 mm	
Compound rest travel	120 mm	
TAILSTOCK		
Tailstock spindle dia.	58 mm	
Tailstock spindle travel	150 mm	
Tailstock spindle taper	MT#4	
THREADS		
Lead screw	4 TPI or 6 mm / pitch	
Metric pitch threads	0.5 - 7 mm / pitch (24 kinds)	
Inch pitch threads	4 - 56 TPI (36 kinds)	
Module pitch threads	0.25 - 3.5 M (28 kinds)	
DP threads	8 - 112 P (36 kinds)	
FEEDING RANGE		
Range of longitudinal feeds	0.05 - 0.88 mm / rev.	
Range of cross feeds	0.02 - 0.44 mm / rev.	
MOTOR		
Main spindle motor	5 HP (conv.) / 7.5 HP (inverter)	
Coolant pump motor	1/8 HP	
WEIGHT		
Net weight	1650 kg	1800 kg

Standard Accessories

- Main drive motor 1 set
- Coolant equipment 1 set
- Center sleeve 1 pc
- Dead center 2 pcs
- Tool box & tools 1 set

Optional Accessories

- CE conformity
- Electromagnetic braker
- Gap bed
- Z-axis rapid travel
- Digital readout system
- 3-jaw scroll chuck
- 4-jaw independent chuck
- Face plate
- Quick change toolpost
- Taper attachment
- Full length splash guard
- Chuck guard
- Chip and coolant shield
- Leadscrew guard
- Work light
- Steady rest
- Follow rest
- Micrometer bed stopper
- Turret type 5 position bed stopper
- Rotating center

NOTE : We have the right to modify the specification or designs. If there are subjected to change without prior notice.

Spec. MA-18 / 21 / 25 series

Conventional & Inverter Type (i)



MODEL	MA-1840(i)	MA-1860(i)	MA-1880(i)	MA-2140(i)	MA-2160(i)	MA-2180(i)	MA-21120(i)	MA-2540(i)	MA-2560(i)	MA-2580(i)	MA-25120(i)
CAPACITY											
Center height	230 mm			270 mm				315 mm			
Swing over bed	460 mm			540 mm				630 mm			
Swing over gap	640 mm (opt.)			720 mm (opt.)				810 mm (opt.)			
Swing over cross slide	285 mm			360 mm				450 mm			
Distance between center	1000 mm	1500 mm	2000 mm	1000 mm	1500 mm	2000 mm	3000 mm	1000 mm	1500 mm	2000 mm	3000 mm
Bed width	350 mm			350 mm				350 mm			
SPINDLE											
Spindle bore	Ø58 mm (2")			Ø85 mm (3")		Ø105 mm (4") opt.		Ø85 mm (3")	Ø105 mm (4") opt.		Ø155 mm (6") opt.
Spindle nose	D1-6			D1-8		A1-11		D1-8	A1-11		A2-11
Spindle speeds 18 steps -rpm	39~2800			25~1545		23~1293		25~1545	23~1293		13~690
Inverter type (i) -rpm (Variable speeds)	H : 681~3100 M : 153~680 L : 33~152			H : 491~2250 M : 126~490 L : 27~125		H : 331~1500 M : 93~330 L : 20~92		H : 491~2250 M : 126~490 L : 27~125	H : 331~1500 M : 93~330 L : 20~92		H : 176~800 M : 53~175 L : 10~52
TRAVEL											
Cross slide travel	280 mm			330 mm				330 mm			
Compound rest travel	120 mm			130 mm				130 mm			
TAILSTOCK											
Tailstock spindle dia.	75 mm			75 mm				75 mm			
Tailstock spindle travel	170 mm			170 mm				170 mm			
Tailstock spindle taper	MT#5			MT#5				MT#5			
THREADS											
Lead screw	4 TPI or 6 mm / pitch			4 TPI or 6 mm / pitch				4 TPI or 6 mm / pitch			
Metric pitch threads	0.5 - 7 mm / pitch (24 kinds)			0.5 - 7 mm / pitch (24 kinds)				0.5-7 mm / pitch (24 kinds)			
Inch pitch threads	4 - 56 TPI (36 kinds)			4 - 56 TPI (36 kinds)				4-56 TPI (36 kinds)			
Module pitch threads	0.25 - 3.5 M (16 kinds)			0.25 - 3.5 M (16 kinds)				0.25 - 3.5 M (16 kinds)			
DP threads	8 - 112 P (36 kinds)			8 - 112 P (36 kinds)				8 - 112 P (36 kinds)			
FEEDING RANGE											
Range of longitudinal feeds	0.06 - 0.88 mm / rev.			0.06 - 0.88 mm / rev.				0.06 - 0.88 mm / rev.			
Range of cross feeds	0.03 - 0.44 mm / rev.			0.03 - 0.44 mm / rev.				0.03 - 0.44 mm / rev.			
MOTOR											
Main spindle motor	7.5 / 10 HP (opt.)			10 / 15 HP (opt.)				10 / 15 HP (opt.)			
Coolant pump motor	1/8 HP			1/8 HP				1/8 HP			
WEIGHT											
Net weight	2000 kg	2250 kg	2500 kg	2200 kg	2450 kg	2600 kg	2700 kg	2300 kg	2550 kg	2700 kg	2800 kg

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Standard Accessories

- Main drive motor 1 set
- Coolant equipment 1 set
- Center sleeve 1 pc
- Dead center 2 pcs
- Tool box & tools 1 set

Optional Accessories

- CE conformity
- Electromagnetic braker
- Gap bed
- Z-axis rapid travel
- Digital readout system
- 3-jaw scroll chuck
- 4-jaw independent chuck
- Double chuck system
(Spindle bore over 105mm)
- Face plate
- Quick change toolpost
- Taper attachment
- Full length splash guard
- Chuck guard
- Chip and coolant shield
- Leadscrew guard
- Work light
- Steady rest
- Follow rest
- Micrometer bed stopper
- Turret type 5 position bed stopper
- Rotating center

Spec. MA-30 / 33 series

Conventional & Inverter Type (i)



MODEL	MA-3060(i)	MA-3080(i)	MA-30120(i)	MA-30160(i)	MA-30200(i)	MA-30240(i)	MA-3360(i)	MA-3380(i)	MA-33120(i)	MA-33160(i)	MA-33200(i)	MA-33240(i)
CAPACITY												
Center height	385 mm						420 mm					
Swing over bed	770 mm						840 mm					
Swing over gap	1010 mm (opt.)						1080 mm (opt.)					
Swing over cross slide	520 mm						590 mm					
Distance between center	1600 mm	2100 mm	3100 mm	4100 mm	5100 mm	6100 mm	1600 mm	2100 mm	3100 mm	4100 mm	5100 mm	6100 mm
Bed width	450 mm						450 mm					
SPINDLE												
Spindle bore	Ø105 mm (4")		Ø155 mm (6") opt.				Ø105 mm (4")	Ø155 mm (6") opt.	Ø230 mm (9") opt.	Ø305 mm (12") opt.		
Spindle nose	A1-11		A2-11				A1-11	A2-11	A2-15	A2-20		
Spindle speeds 18 steps -rpm	23~1293		13~690				23~1293	13~690	5~440	-		
Inverter type (i) -rpm (Variable speeds)	H : 331~1500 M : 93~330 L : 20~92		H : 176~800 M : 53~175 L : 10~52				H : 331~1500 M : 93~330 L : 20~92	H : 176~800 M : 53~175 L : 10~52	H : 108~450 M : 31~107 L : 6~30	H : 80~350 M : 18~79 L : 5~17		
TRAVEL												
Cross slide travel	450 mm						450 mm					
Compound rest travel	250 mm						250 mm					
TAILSTOCK												
Tailstock spindle dia.	105 / 120 mm (opt.)						105 / 120 mm (opt.)					
Tailstock spindle travel	220 mm						220 mm					
Tailstock spindle taper	MT#5 / MT#6 (opt.)						MT#5 / MT#6 (opt.)					
THREADS												
Lead screw	2 TPI or 12 mm / pitch						2 TPI or 12 mm / pitch					
Metric pitch threads	0.8 - 14 mm / pitch (65 kinds)						0.8 - 14 mm / pitch (65 kinds)					
Inch pitch threads	2 - 28 TPI (36 kinds)						2 - 28 TPI (36 kinds)					
Module pitch threads	0.5 - 7 M (22 kinds)						0.5 - 7 M (22 kinds)					
DP threads	4 - 56 TPI (36 kinds)						4 - 56 TPI (36 kinds)					
FEEDING RANGE												
Range of longitudinal feeds	0.05 - 0.70 mm / rev.						0.05 - 0.70 mm / rev.					
Range of cross feeds	0.025 - 0.35 mm / rev.						0.025 - 0.35 mm / rev.					
MOTOR												
Main spindle motor	15 / 20 HP (opt.)						15 / 20 or 25 HP (opt.)					
Rapid feed motor	1/4 HP						1/4 HP					
Coolant pump motor	1/8 HP						1/8 HP					
WEIGHT												
Net weight	3350 kg	3600 kg	4100 kg	4600 kg	5100 kg	5700 kg	3450 kg	3700 kg	4200 kg	4700 kg	5200 kg	5800 kg

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Standard Accessories

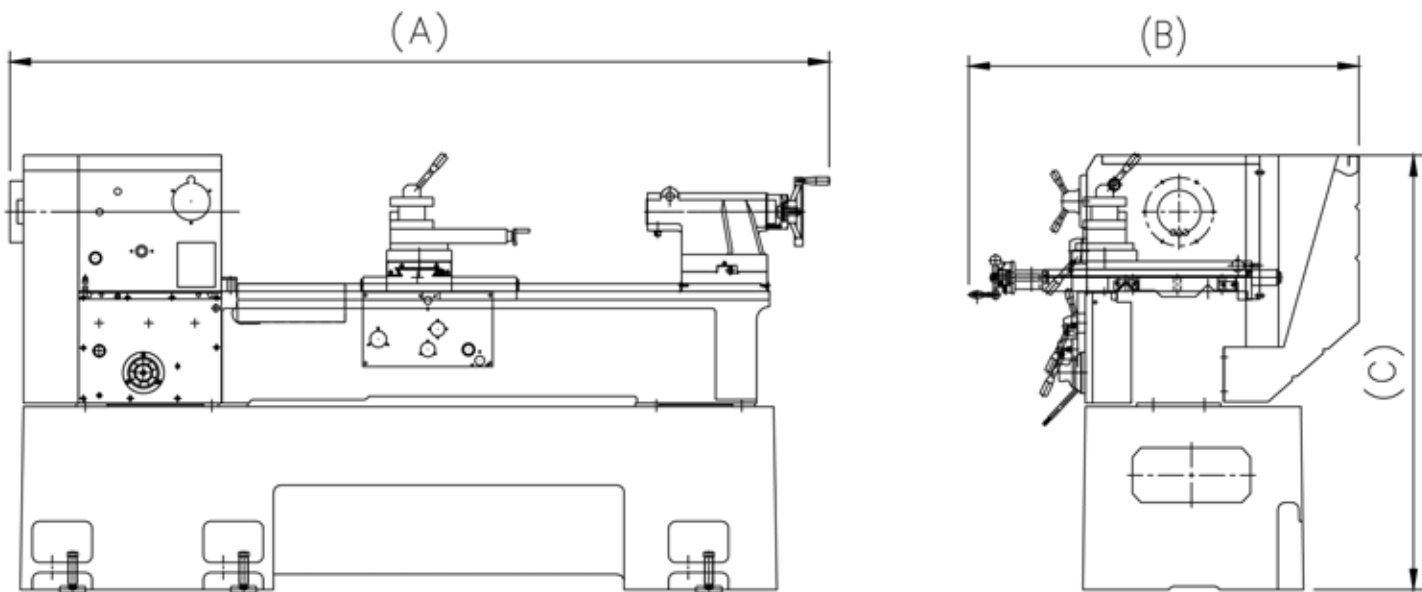
- Main drive motor 1 set
- Coolant equipment 1 set
- Electromagnetic braker 1 set
- X/Z axis rapid travel 1 set
- Center sleeve 1 pc
- Dead center 2 pcs
- Tool box & tools 1 set

Optional Accessories

1. CE conformity
2. Gap bed
3. Digital readout system
4. 3-jaw scroll chuck
5. 4-jaw independent chuck
6. Double chuck system
7. Face plate
8. Quick change toolpost
9. Taper attachment
10. Full length splash guard (for between center less than 3100mm)
11. Moving rear splash guard
12. Chuck guard
13. Chip and coolant shield
14. Leadscrew guard
15. Work light
16. Steady rest
17. Follow rest
18. Micrometer bed stopper
19. Turret type 5 position bed stopper
20. Rotating center

Dimensions

MA-17.18.21.2500

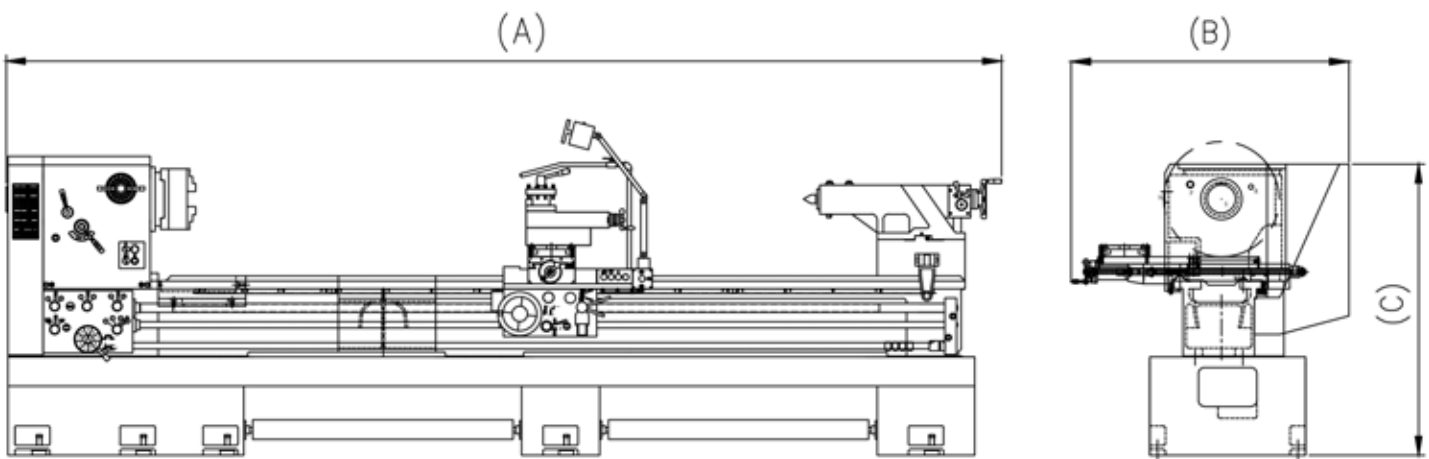


Unit : mm

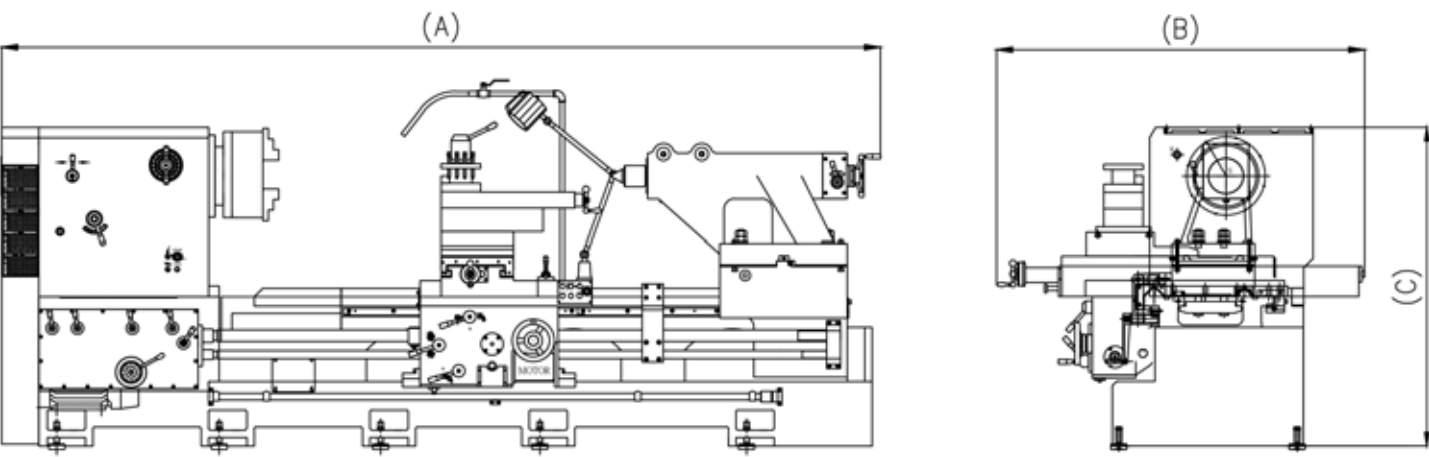
MODEL	Spindle Bore	(A)				(B)	(C)	
			30	40			30	40
MA-1700	2"(58)		2025	2190		830	1237	1204

MODEL	Spindle Bore	(A)				(B)	(C)
		40	60	80	120		
MA-1800	2”(58)	2385	2885	3385		1150	1387
MA-2100	3”(85)	2390	2890	3390	4390		1425
MA-2500	3”(85)						1470
MA-2100	4”(105)						1444
MA-2500	4”(105)						1489
MA-2500	6”(155)	2400	2900	3400	4400		1555

MA-30.3300



MA-S42.S50.S6000



Unit : mm

MODEL	(A)	(B)	(C)	
			30	33
MA-30.3360	3646	1587	1460	1495
MA-30.3380	4146			
MA-30.33120	5146			
MA-30.33160	6146			
MA-30.33200	7146			
MA-30.33240	8146			

MODEL	(A)	(B)	(C)		
			S42	S50	S60
MA-S42.50.6060	4100	1733	1500	1600	1730
MA-S42.50.6080	4600				
MA-S42.50.60120	5600				
MA-S42.50.60160	6600				
MA-S42.50.60200	7600				
MA-S42.50.60240	8600				
MA-S42.50.60280	9600				