



LIHAITEC

LIHAITEC ENTERPRISE CO.,LTD.



FLAT BED CNC LATHE Series
HIGH SPEED / HEAVY DUTY PRECISION LATHES



LIHAITEC

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AC-1840 / 1860 / 1880

- Swing over bed: 460 mm
- Swing over cross slide: 230 mm
- Distance between centers: 1,000/1,500/2,000 mm
- Bed width: 350mm
- Spindle bore: Ø56 mm(2")
- Spindle speed: 33~3100 RPM
- Fully enclosed splash guard

AC-2140 / 2160 / 2180

- Swing over bed: 540 mm
- Swing over cross slide: 310 mm
- Distance between centers: 1,000/1,500/2,000 mm
- Bed width: 350mm
- Spindle bore: Ø85 mm (3") standard, Ø105 mm (4") optional
- Spindle speed: 27~2250 rpm (Ø85 mm bore) 20~1500 rpm (Ø105 mm bore)
- Fully enclosed splash guard

AC-2540 / 2560 / 2580

- Swing over bed: 630 mm
- Swing over cross slide: 400 mm
- Distance between centers: 1,000/1,500/2,000 mm
- Bed width: 350mm
- Spindle bore: Ø85 mm (3") standard, Ø105 mm (4") optional, Ø155 mm (6") optional
- Spindle speed: 27~2250 rpm (Ø85 mm bore) 20~1500 rpm (Ø105 mm bore) 10~800 rpm (Ø155 mm bore)
- Fully enclosed splash guard

AC-2660 / 2680 / 26120 / 26200

- Swing over bed: 670 mm
- Swing over cross slide: 400 mm
- Distance between centers: 1,600/2,100/3,100/ 4,100/5,100 mm
- Bed width: 450 mm
- Spindle bore: Ø85 mm (3") standard Ø105 mm (4") optional, Ø155 mm (6") optional
- Spindle speed: 27~2250 rpm (Ø85 mm bore)
- Fully enclosed splash guard: For model AC-2660 / 2680/26120
- Semi-enclosed splash guard: For model AC-26160 / AC-26200



AC-3060 / 3080 / 30120 / 30160 / 30200

- Swing over bed: 770 mm
- Swing over cross slide: 500 mm
- Distance between centers: 1600/2100/3100/4100/5100 mm
- Bed width: 450 mm
- Spindle bore: 105 mm (4") standard, 155 mm (6") optional
- Spindle bore: 105 mm (4") standard, 155 mm (6") optional
- Spindle speed: 20~1500 rpm (105 mm bore) 10~800 rpm (155 mm bore)
- Fully enclosed splash guard: For model AC-3060 / 3080 / 30120
- Semi-enclosed splash guard: For model AC-30160 / 30200

AC-3360 / 3380 / 33120 / 33160 / 33200

- Swing over bed: 840 mm
- Swing over cross slide: 570 mm
- Distance between centers: 1600/2100/3100/4100/5100 mm
- Bed width: 450 mm
- Spindle bore: 105 mm (4") standard, 155 mm (6") optional 230 mm (9") optional, 305 mm (12") optional
- Spindle speed: 20~1500 rpm (105 mm bore) 10~800 rpm (155 mm bore) 6~450 rpm (230 mm bore) 5~350 rpm (305 mm bore)
- Fully enclosed splash guard: For model AC-3360/3380/33120
- Semi-enclosed splash guard: For model AC-33160/33200



AC-S4260 / S4280 / S42120

AC-S42160 / S42200 / S42240

- Swing over bed: 1070 mm
- Swing over cross slide: 744 mm
- Distance between centers: 1700/2200/3200/ 4200/5200/6200 mm
- Bed width: 610 mm
- Spindle bore: Ø155 mm (6") standard Ø230 mm (9") optional, Ø305 mm (12") optional large spindle bores are available on request
- Semi-enclosed splash guard
- Spindle speed: 6~750 rpm (155 mm bore) 4~560 rpm (230 mm bore) 2~270 rpm (305 mm bore)

AC-S5060 / S5080 / S50120

AC-S50160 / S50200 / S50240

- Swing over bed: 1270 mm
- Swing over cross slide: 944 mm



AC-5160 / 5180 / 51120

AC-51160 / 51200 / 51240

- Swing over bed: 1300 mm
- Swing over cross slide: 900 mm
- Distance between centers: 1700/2200/3200/ 4200/5200/6200 mm
- Bed width: 770 mm
- Spindle bore: Ø155 mm (6") standard Ø230 mm (9") optional, Ø305 mm (12") optional Ø410 mm (16") optional large spindle bores are available on request
- Semi-enclosed splash guard
- Spindle speed: 6~750 rpm (155 mm bore) 4~560 rpm (230 mm bore) 2~270 rpm (305 mm bore) 1.5~215 rpm (410 mm bore)

AC-6360 / 6380 / 63120

AC-63160 / 63200 / 63240

- Swing over bed: 1600 mm
- Swing over cross slide: 1200 mm

FLAT BED CNC LATHE SERIES

Specifications:

MODEL	Unit	AC-1840	AC-1860	AC-1880	AC-2140	AC-2160	AC-2180	AC-2540	AC-2560	AC-2580	AC-2660	AC-2680	AC-26120	AC-26160	AC-26200	
CAPACITY																
Swing over bed	mm	460			540			630			670					
Swing in gap (option)	mm	640			720			810			880					
Swing over cross slide	mm	230			310			400			400					
Distance between center	mm	1000	1500	2000	1000	1500	2000	1000	1500	2000	1600	2100	3100	4100	5100	
Suitable 3-jaw hydr. chuck size (option)	inch	8" or 10"			10" or 12"			10" or 12"			12"					
Hole through with hydr. chuck	mm	46			75			75			75					
Gap length from spindle nose surface	mm	270 (D1-6)			270 (D1-8)			270 (D1-8)			370 (D1-8)					
Max. work piece weight (with tailstock)	kg	700			2000			2000			3000					
Bed width	mm	350			350			350			450					
TRAVEL																
X axis	mm	280			350			350			450					
Z axis	mm	810	1310	1810	810	1310	1810	810	1310	1810	1500	2000	3000	4000	5000	
SPINDLE																
Spindle hole	mm	56 D1-6			85 D1-8 105 (opt.) A1-11			85 D1-8 105 (opt.) A1-11 155 (opt.) A2-11			85 D1-8					
Spindle nose		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: 491~2250 M: 126~490 L: 27~125		
Spindle range	rpm															
Suitable 3-jaw scroll chuck size (option)	KW	200/250			250/305			250/305			310/405					
Main spindle	HP	7.5 / 10 (opt.)			10 / 15 (opt.)			10 / 15 (opt.)			15 / 20 (opt.)					
TURRET (OPTION)																
Number of tool stations		8			8			8			8					
Tool allowance	mm	□ 20x20			□ 25x25			□ 25x25			□ 25x25					
TURRET (OPTION)																
Number of tool stations		4			4			4			4					
Tool allowance	mm	□ 25x25			□ 25x25			□ 25x25			□ 32x32					
FEED RATE																
X axis rapid traverse	M/min.	5			5			5			5					
Z axis rapid traverse	M/min.	7			7			7			7		6			
FEED MOTORS																
X axis power	Nm	6.3			6.3			6.3			6.3					
Z axis power	Nm	6.3			6.3			6.3			11.6					
BALL SCREW																
X axis	mm	Ø25 x P5			Ø25 x P5			Ø25 x P5			Ø28 x P5					
Z axis	mm	Ø40 x P10			Ø40 x P10			Ø40 x P10			Ø50 x P10		Ø63 x P12			
TAILSTOCK																
Quill stroke	mm	170			170			170			220					
Quill diameter	mm	Ø75			Ø75			Ø75			Ø105					
Quill inside taper	MT	5			5			5			5					
COOLANT																
Pump motor	HP	1/6			1/6			1/6			1/4					
LUBRICATION																
Pump motor	W	12			12			12			12					
Pump capacity	cc/time	6			6			6			6					
DIMENSION																
Length	mm	2720	3220	3720	2720	3220	3720	2720	3220	3720	3810	4310	5310	6310	7310	
Width	mm	1760			1760			1760			2120					
Height	mm	1910			1910			1910			1840					
WEIGHT																
Net weight	kg	2900	3200	3500	3100	3400	3700	3200	3500	3800	4100	4600	5600	6600	7600	

• Above specifications are subject to change without prior notice.

Specifications:

MODEL	Unit	AC-3060	AC-3080	AC-30120	AC-30160	AC-30200	AC-3360	AC-3380	AC-33120	AC-33160	AC-33200
CAPACITY											
Swing over bed	mm	770					840				
Swing in gap (option)	mm	1010					1080				
Swing over cross slide	mm	500					570				
Distance between center	mm	1600	2100	3100	4100	5100	1600	2100	3100	4100	5100
Suitable 3-jaw hydr. chuck size (option)	inch	15"					15"				
Hole through with hydr. chuck	mm	91 / 117.5					91 / 117.5				
Gap length from spindle nose surface	mm	390					390				
Max. work piece weight (with tailstock)	kg	4000					4000				
Bed width	mm	450					450				
TRAVEL											
X axis	mm	450					450				
Z axis	mm	1500	2000	3000	4000	5000	1500	2000	3000	4000	5000
SPINDLE											
Spindle hole	mm	105		155 (opt.)		105		155 (opt.)		230 (opt.)	
Spindle nose		A1-11		A2-11		A1-11		A2-11		A2-15	
Spindle range	rpm	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	
Suitable 3-jaw scroll chuck size (option)	mm	310/405					310/405				
Main motor	HP	15 / 20 (opt.)					15 / 20 or 25 (opt.)				
TURRET (OPTION)											
Number of tool stations		8					8				
Tool allowance	mm	□ 25x25					□ 25x25				
TURRET (OPTION)											
Number of tool stations		4					4				
Tool allowance	mm	□ 32x32					□ 32x32				
FEED RATE											
X axis rapid traverse	M/min.	5					5				
Z axis rapid traverse	M/min.	7		6			7		6		
FEED MOTORS											
X axis power	Nm	6.3					6.3				
Z axis power	Nm	11.6					11.6				
BALL SCREW											
X axis	mm	Ø28 x P5					Ø28 x P5				
Z axis	mm	Ø50 x P10		Ø63 x P12		Ø50 x P10		Ø63 x P12			
TAILSTOCK											
Quill stroke	mm	220					220				
Quill diameter	mm	Ø105					Ø105				
Quill inside taper	MT	5					5				
COOLANT											
Pump motor	HP	1/4					1/4				
LUBRICATION											
Pump motor	W	12					12				
Pump capacity	cc/time	6					6				
DIMENSION											
Length	mm	3810	4310	5310	6310	7310	3810	4310	5310	6310	7310
Width	mm	2120					2120				
Height	mm	1840					1840				
WEIGHT											
Net weight	kg	4300	4800	5800	6800	7800	4500	5000	6000	7000	8000

STANDARD ACCESSORIES:

- Fagor Control
- Main spindle 3 steps speed auto. Change by CNC control
- Coolant equipment
- Lubricate equipment
- Work light
- Center sleeve/Center
- Tool box & tools

OPTIONAL ACCESSORIES:

- Fanuc & Siemens Control on request
- 3-Jaws Manual Chuck
- 4-Jaws Manual Chuck
- 3-Jaw Hydraulic Chuck
- Manual Toolpost (4T)
- Electric Servo toolpost (H4)
- Electric Turret (V8)
- Hydraulic Turret (V8)
- C Axis (Living Tool)
- Steady Rest
- Follow Rest
- Boring attachment
- Double Chuck system
- Rotating Center
- Hydraulic Tailstock
- Rotating Tailstock (Only for AC-26/30/33/S42/S50/51/63)
- Chip Conveyer
- Air conditioner
- Heat exchanger
- Spindle oil cooler
- Tailstock type: Build in type quill

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Specifications:

MODEL	Unit	AC-S4260	AC-S4280	AC-S42120	AC-S42160	AC-S42200	AC-S42240	AC-S5060	AC-S5080	AC-S50120	AC-S50160	AC-S50200	AC-S50240				
CAPACITY																	
Swing over bed	mm	1070						1270									
Swing over cross slide	mm	744						944									
Distance between center	mm	1700	2200	3200	4200	5200	6200	1700	2200	3200	4200	5200	6200				
Suitable 3-jaw hydr. chuck size (option)	inch	18"						18"									
Hole through with hydr. chuck	mm	117.5						117.5									
Max. work piece weight (with tailstock)	kg	4000						4000									
Bed width	mm	610						610									
TRAVEL																	
X axis	mm	580						680									
Z axis	mm	1500	2000	3000	4000	5000	6000	1500	2000	3000	4000	5000	6000				
SPINDLE																	
Spindle hole	mm	155			230 (opt.)			155			230 (opt.)			305 (opt.)		410 (opt.)	
Spindle nose		A2-11			A2-15			A2-11			A2-15			A2-20		A2-28	
		H: 151~750			H: 111~560			H: 151~750			H: 111~560			H: 54~270		H: 43~215	
		M: 31~150			M: 21~110			M: 31~150			M: 21~110			M: 11~53		M: 9~42	
		L: 6~30			L: 4~20			L: 6~30			L: 4~20			L: 2~10		L: 1.5~8	
Suitable 3-jaw scroll chuck size (option)	mm	400/500/625						400/500/625									
Servo motor	KW	22/33 KW						22/33 KW									
TURRET (OPTION)																	
Number of tool stations		8						8									
Tool allowance	mm	□ 32x32						□ 32x32									
Tool shank (Ø)	mm	Ø50						Ø50									
TURRET (OPTION)																	
Number of tool stations		4						4									
Tool allowance	mm	□ 40x40						□ 40x40									
FEED RATE																	
X axis rapid traverse	M/min.	5						5									
Z axis rapid traverse	M/min.	6		5		4		6		5		4					
FEED MOTORS																	
X axis power	Nm	23.5						23.5									
Z axis power	Nm	32						32									
BALL SCREW																	
X axis	mm	Ø40 x P8						Ø40 x P8									
Z axis	mm	Ø80 x P16						Ø80 x P16									
TAILSTOCK																	
Quill stroke	mm	300						300									
Quill diameter	mm	Ø165						Ø165									
Quill inside taper	MT	6						6									
COOLANT																	
Pump motor	KW	0.96 (50HZ) / 1.34 (60HZ)						0.96 (50HZ) / 1.34 (60HZ)									
Pump capacity	L/min	min. 35 / max. 130						min. 35 / max. 130									
Pump pressure	Bar	4.3 (50HZ) / 6 (60HZ)						4.3 (50HZ) / 6 (60HZ)									
LUBRICATION																	
Pump motor	W	12						12									
Pump capacity	cc/time	6						6									
WEIGHT																	
Net weight	kg	10000	10800	12400	14000	15600	17200	10600	11400	13000	14600	16200	17800				

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Specifications:

MODEL	Unit	AC-5160	AC-5180	AC-51120	AC-51160	AC-51200	AC-51240	AC-6360	AC-6380	AC-63120	AC-63160	AC-63200	AC-63240
CAPACITY													
Swing over bed	mm	1300						1600					
Swing over cross slide	mm	900						1200					
Distance between center	mm	1700	2200	3200	4200	5200	6200	1700	2200	3200	4200	5200	6200
Suitable 3-jaw hydr. chuck size (option)	inch	18"						18"					
Hole through with hydr. chuck	mm	117.5						117.5					
Max. work piece weight (with tailstock)	kg	5000						5000					
Bed width	mm	770						770					
TRAVEL													
X axis	mm	680						830					
Z axis	mm	1500	2000	3000	4000	5000	6000	1500	2000	3000	4000	5000	6000
SPINDLE													
Spindle hole	mm	155	230 (opt.)	305 (opt.)	410 (opt.)	large spindle bores are available on request		155	230 (opt.)	305 (opt.)	410 (opt.)	large spindle bores are available on request	
Spindle nose		A2-11	A2-15	A2-20	A2-28			A2-11	A2-15	A2-20	A2-28		
Speed range	rpm	H: 151~750	H: 111~560	H: 54~270	H: 43~215	large spindle bores are available on request		H: 151~750	H: 111~560	H: 54~270	H: 43~215	large spindle bores are available on request	
		M: 31~150 L: 6~30	M: 21~110 L: 4~20	M: 11~53 L: 2~10	M: 9~42 L: 1.5~8			M: 31~150 L: 6~30	M: 21~110 L: 4~20	M: 11~53 L: 2~10	M: 9~42 L: 1.5~8		
Suitable 3-jaw scroll chuck size (option)	mm	400/500/625						400/500/625					
Servo motor	KW	22/33 KW or 28/42 KW (opt.)						28/42 KW					
TURRET (OPTION)													
Number of tool stations		8						8					
Tool allowance	mm	□ 32x32						□ 32x32					
Tool shank (Ø)	mm	Ø50						Ø50					
TURRET (OPTION)													
Number of tool stations		4						4					
Tool allowance	mm	□ 40x40						□ 40x40					
FEED RATE													
X axis rapid traverse	M/min.	5						5					
Z axis rapid traverse	M/min.	6	5	4	6	5	4	6	5	4	6	5	4
FEED MOTORS													
X axis power	Nm	23.5						23.5					
Z axis power	Nm	32						32					
BALL SCREW													
X axis	mm	Ø40 x P8						Ø40 x P8					
Z axis	mm	Ø80 x P16						Ø80 x P16					
TAILSTOCK													
Quill stroke	mm	300						300					
Quill diameter	mm	Ø165						Ø165					
Quill inside taper	MT	6						6					
COOLANT													
Pump motor	KW	1.8 (50HZ) / 2.6(60HZ)						1.8 (50HZ) / 2.6(60HZ)					
Pump capacity	L/min	min. 35 / max. 130						min. 35 / max. 130					
Pump pressure	Bar	6.2 (50HZ) / 8.3(60HZ)						6.2 (50HZ) / 8.3(60HZ)					
LUBRICATION													
Pump motor	W	12						12					
Pump capacity	cc/time	6						6					
WEIGHT													
Net weight	kg	12000	12800	14400	16000	17600	19200	13000	13800	15400	17000	18600	20200

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High Speed Precision Lathe



MA-1840 / 1860 / 1880

- Swing over bed & Dist. Between Center 460 x 1000 / 1500 / 2000 mm
- Bed width: 350 mm
- Spindle Bore : Ø 56 mm (2")
- 18-Step Spindle Speeds 39~2800 RPM
- **Inverter variable** (3 steps auto. change by PLC) 33 ~ 3100 RPM



MA-3060 / 3080 / 30120 / 30160 / 30200 / 30240

- Swing over bed & Dist. Between Center 770 x 1600 / 2100 / 3100 / 4100 / 5100 / 6100 mm
- Bed width: 450 mm
- Spindle Bore
 - Ø 105 mm (4")
 - Ø 155 mm (6") (opt.)
- 18-Step Spindle Speeds
 - 23~1293 RPM
 - 13~690 RPM
- **Inverter variable** (3 steps auto. change by PLC)
 - 20~1500 rpm
 - 10~800 rpm

MA-3360 / 3380 / 33120 / 33160 / 33200 / 33240

- Swing over bed & Dist. Between Center 840 x 1600 / 2100 / 3100 / 4100 / 5100 / 6100 mm
- Bed width: 450 mm
- Spindle Bore
 - Ø 105 mm (4")
 - Ø 155 mm (6") (opt.)
 - Ø 230 mm (9") (opt.)
 - Ø 305 mm (12") (opt.)
- 18-Step Spindle Speeds
 - 23~1293 RPM
 - 13~690 RPM
 - 5~440 RPM
- **Inverter variable** (3 steps auto. change by PLC)
 - 20~1500 rpm
 - 10~800 rpm
 - 6~450 rpm
 - 5~350 rpm



conventional type



inverter type (i)

MA-2140 / 2160 / 2180 / 21120

- Swing over bed & Dist. Between Center 540 x 1000 / 1500 / 2000 / 3000 mm
- Bed width: 350 mm
- Spindle Bore
 - Ø 85 mm (3")
 - Ø 105 mm (4") (opt.)
- 18-Step Spindle Speeds
 - 25~1545 RPM
 - 23~1293 RPM
- **Inverter variable** (3 steps auto. change by PLC)
 - 27 ~ 2250 RPM
 - 20 ~ 1500 RPM

MA-2540 / 2560 / 2580 / 25120

- Swing over bed & Dist. Between Center 630 x 1000 / 1500 / 2000 / 3000 mm
- Bed width: 350 mm
- Spindle Bore
 - Ø 85 mm (3")
 - Ø 105 mm (4") (opt.)
 - Ø 155 mm (6") (opt.)
- 18-Step Spindle Speeds
 - 25~1545 RPM
 - 23~1293 RPM
 - 13~690 RPM
- **Inverter variable** (3 steps auto. change by PLC)
 - 27 ~ 2250 RPM
 - 20 ~ 1500 RPM
 - 10 ~ 800 RPM



MA-S4260 / S4280 / S42120 / S42160

MA-S42200 / S42240 / S42280

Swing over bed: 1070 mm

MA-S5060 / S5080 / S50120 / S50160

MA-S50200 / S50240 / S50280

Swing over bed: 1270 mm

- Distance Between Centers
 - 1700/2200/3200/4200/5200/6200/7200 mm
- Bed width: 610 mm
- Spindle Bore: Ø155 mm (4")
 - Ø230 mm(6")(opt.)/ Ø255 mm(9")(opt.)/ Ø 305 mm(12")(opt.)
- 18 step
 - 5~615 rpm
 - 4~430 rpm
 - 2~390 rpm
- **Inverter variable** (3 steps auto. change by PLC)
 - 7~710 rpm
 - 6~500 rpm
 - 5~350 rpm

Specifications:

ITEM/MODEL	MA-1840(ف)	MA-1860(ف)	MA-1880(ف)	MA-2140(ف)	MA-2160(ف)	MA-2180(ف)	MA-21120(ف)	MA-2540(ف)	MA-2560(ف)	MA-2580(ف)	MA-25120(ف)		
CAPACITY													
Center height	230 mm			270 mm				315 mm					
Max. swing over bed	460 mm			540 mm				630 mm					
Max. swing over gap	640 mm (opt.)			720 mm (opt.)				810 mm (opt.)					
Max. swing over cross-slide	285 mm			360 mm				450 mm					
Distance between centers	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					
MAIN SPINDLE													
Spindle bore	Ø56 mm			Ø85 mm		Ø105 mm (opt.)		Ø85 mm		Ø105 mm (opt.)		Ø155 mm (opt.)	
Spindle nose	D 1-6			D 1-8		A 1-11		D 1-8		A 1-11		A 2-11	
Conventional type spindle speeds (18 steps)	2800 - 39 rpm			25 - 1545 rpm		23 - 1293 rpm		25 - 1545 rpm		23 - 1293 rpm		13 - 690 rpm	
Inverter type variable speeds	H	3100 - 681 rpm			491 - 2250 rpm		331 - 1500 rpm		491 - 2250 rpm		331 - 1500 rpm		176 - 800 rpm
	M	680 - 153 rpm			126 - 490 rpm		93 - 330 rpm		126 - 490 rpm		93 - 330 rpm		53 - 175 rpm
	L	152 - 33 rpm			27 - 125 rpm		20 - 92 rpm		27 - 125 rpm		20 - 92 rpm		10 - 52 rpm
CARRIAGE													
Cross-slide travel	280 mm			330 mm				330 mm					
Compound rest travel	120 mm			150 mm				150 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					
THREADING													
Lead screw	4TPI or 6 mm / pitch			4TPI or 6 mm / pitch				4TPI 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	7-1/2 HP / 10 HP(opt.)			10 HP / 15 HP(opt.)				10 HP / 15 HP(opt.)					
Rapid feed motor	90 W (opt.)			90 W (opt.)				90 W (opt.)					
Coolant pump motor	1/8 HP			1/8 HP				1/8 HP					
MACHINE WEIGHT													
Net weight approx.	2000 kgs	2250 kgs	2500 kgs	2200 kgs	2450 kgs	2600 kgs	2700 kgs	2300 kgs	2550 kgs	2700 kgs	2800 kgs		
Packing size (cm)	229x120x170	279x120x170	329x120x170	229x120x170	279x120x170	329x120x170	429x120x170	229x120x175	279x120x175	329x120x175	429x120x175		

• Above specifications are subject to change without prior notice.

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:

1. CE conformity
2. Electromagnetic braker
3. Gap bed
4. Z-axis rapid travel
5. Digital readout system
6. 3-jaw scroll chuck
7. 4-jaw independent chuck
8. Double chuck system (Spindle bore over 105mm)
9. Face plate
10. Quick change toolpost
11. Taper attachment
12. Full length splash guard
13. Chuck guard
14. Chip and coolant shield
15. Leadscrew guard
16. Work light
17. Steady rest
18. Follow rest
19. Micrometer bed stopper
20. Turret type 5 position bed stopper
21. Rotating center
22. Grinding attachment

Specifications:

ITEM/MODEL	MA-3060(¿)	MA-3080(¿)	MA-30120(¿)	MA-30160(¿)	MA-30200(¿)	MA-30240(¿)	MA-3360(¿)	MA-3380(¿)	MA-33120(¿)	MA-33160(¿)	MA-33200(¿)	MA-33240(¿)		
CAPACITY														
Center height	385 mm						420 mm							
Max. swing over bed	770 mm						840 mm							
Max. swing over gap	1010 mm (opt.)						1080 mm (opt.)							
Max. swing over cross-slide	520 mm						590 mm							
Distance between centers	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							
MAIN SPINLDE														
Spindle bore	Ø105 mm			Ø155 mm (opt.)			Ø105 mm		Ø155 mm (opt.)		Ø230 mm (opt.)		Ø305 mm (opt.)	
Spindle nose	A 1-11			A 2-11			A 1-11		A 2-11		A 2-15		A 2-20	
Conventional type spindle speeds (18 steps)	23 - 1293 rpm			13 - 690 rpm			23 - 1293 rpm		13 - 690 rpm		5 - 440 rpm		80 - 350 rpm	
Inverter type variable speeds	H	331 - 1500 rpm			176 - 800 rpm			331 - 1500 rpm		176 - 800 rpm		108 - 450 rpm		80 - 350 rpm
	M	93 - 330 rpm			53 - 175 rpm			93 - 330 rpm		53 - 175 rpm		31 - 107 rpm		18 - 79 rpm
	L	20 - 92 rpm			10 - 52 rpm			20 - 92 rpm		10 - 52 rpm		6 - 30 rpm		5 - 17 rpm
CARRIAGE														
Cross-slide travel	450 mm						450 mm							
Compound rest travel	250 mm						250 mm							
TAILSTOCK														
Tailstock spindle dia.	105 mm						105 mm							
Tailstock spindle travel	220 mm						220 mm							
Tailstock spindle taper	MT#5						MT#5							
THREADING														
Lead screw	2TPI or 12 mm / pitch						2TPI 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 HP / 20 HP(opt.)						15 HP / 20 or 25 HP (opt.)							
Rapid feed motor	1/4 HP						1/4 HP							
Coolant pump motor	1/8 HP						1/8 HP							
MACHINE WEIGHT														
Net weight approx.	3350 kgs	3600 kgs	4100 kgs	4600 kgs	5100 kgs	5700 kgs	3450 kgs	3700 kgs	4200 kgs	4700 kgs	5200 kgs	5800 kgs		
Packing size (cm)	365x170x180	415x170x180	515x170x180	615x170x180	715x170x180	815x170x180	365x170x190	415x170x190	515x170x190	615x170x190	715x170x190	815x170x190		

• Above specifications are subject to change without prior notice.

STANDARD ACCESSORIES:

- Main drive motor 1 SET
- Coolant equipment 1 SET
- Electromagnetic broker 1 SET
- X-axis / 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. Rear chuck adaptor
8. Face plate
9. Quick change toolpost
10. Taper attachment
11. Full length splash guard
12. Moving rear splash guard
13. Chuck guard
14. Chip and coolant shield
15. Leadscrew guard
16. Work light
17. Steady rest
18. Follow rest
19. Micrometer bed stopper
20. Turret type 5 position bed stopper
21. Rotating center
22. Grinding attachment
23. Tailstock type: Build in type quill

Specifications:

ITEM/MODEL	MA-S4260(Δ)	MA-S4280(Δ)	MA-S42120(Δ)	MA-S42160(Δ)	MA-S42200(Δ)	MA-S42240(Δ)	MA-S42280(Δ)	MA-S5060(Δ)	MA-S5080(Δ)	MA-S50120(Δ)	MA-S50160(Δ)	MA-S50200(Δ)	MA-S50240(Δ)	MA-S50280(Δ)		
CAPACITY																
Center height	565 mm							665 mm								
Max. swing over bed	1070 mm							1270 mm								
Max. swing over gap	1520 mm							1720 mm								
Max. swing over cross-slide	744 mm							944 mm								
Distance between centers	1700 mm	2200 mm	3200 mm	4200 mm	5200 mm	6200 mm	7200 mm	1700 mm	2200 mm	3200 mm	4200 mm	5200 mm	6200 mm	7200 mm		
Length of gap	550 mm							550 mm								
Bed width	610 mm							610 mm								
MAIN SPINDLE																
Spindle bore	Ø155 mm			Ø230 mm (opt.)				Ø155 mm		Ø230 mm (opt.)		Ø255 mm (opt.)		Ø305 mm (opt.)		
Spindle nose	A 2-11			A 2-15				A 2-11		A 2-15		A 2-15		A 2-20		
Conventional type spindle speeds (18 steps)	5 - 615 rpm			4 - 430 rpm				5 - 615 rpm		4 - 430 rpm		4 - 430 rpm		2 - 390 rpm		
Inverter type variable speeds	H	188 - 710 rpm			116 - 500 rpm				188 - 710 rpm		116 - 500 rpm		116 - 500 rpm		87 - 350 rpm	
	M	40 - 187 rpm			31 - 115 rpm				40 - 187 rpm		31 - 115 rpm		31 - 115 rpm		26 - 86 rpm	
	L	7 - 39 rpm			6 - 30 rpm				7 - 39 rpm		6 - 30 rpm		6 - 30 rpm		5 - 25 rpm	
CARRIAGE																
Cross-slide travel	700 mm							700 mm								
Compound rest travel	380 mm							380 mm								
TAILSTOCK																
Tailstock spindle dia.	165 mm							165 mm								
Tailstock spindle travel	300 mm							300 mm								
Tailstock spindle taper	MT#6							MT#6								
THREADING																
Lead screw	2TPI or 12 mm / pitch							2TPI or 12 mm / pitch								
Metric pitch threads	1-30 mm							1-30 mm								
Inch pitch threads	30-1 TPI							30-1 TPI								
Module pitch threads	0.5-15 M							0.5-15 M								
DP threads	60-2 TPI							60-2 TPI								
FEEDING RANGE																
Range of longitudinal feeds	0.07-2.03 mm / rev.							0.07-2.03 mm / rev.								
Range of cross feeds	0.028-0.81 mm / rev.							0.028-0.81 mm / rev.								
MOTOR																
Main spindle motor	20 HP / 25/ 0 HP(opt.)							20 HP / 25/30 HP(opt.)								
Rapid feed motor	3/4 HP							3/4 HP								
Coolant pump motor	1/6 HP							1/6 HP								
MACHINE WEIGHT																
Net weight approx.	6600 kgs	7000 kgs	7800 kgs	8600 kgs	9200 kgs	10000 kgs	10800 kgs	6900 kgs	7300 kgs	8100 kgs	8900 kgs	9700 kgs	10500 kgs	11300 kgs		
Packing size (cm)	424x184x176	474x184x176	574x184x176	674x184x176	774x184x176	874x184x176	974x184x176	424x184x186	474x184x186	574x184x186	674x184x186	774x184x186	874x184x186	974x184x186		

large spindle bores are available on request

• Above specifications are subject to change without prior notice.

STANDARD ACCESSORIES:

• Main drive motor	1 SET	• Center sleeve	1 PC
• Coolant equipment	1 SET	• Dead centers	2 PCS
• Magnetic brake for spindle motor	1 SET	• Tool box & tools	1 SET
• Six way rapid travel (including compound tool post)	1 SET		

OPTIONAL ACCESSORIES:

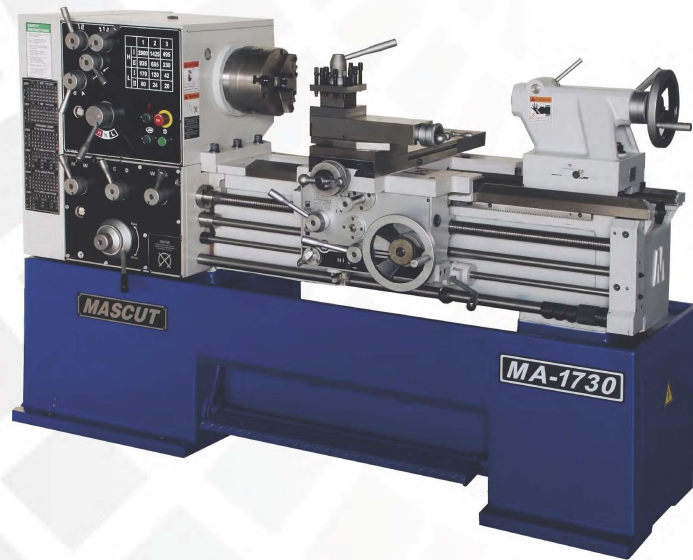
- CE conformity
- Gap bed
- 3-jaws scroll chuck
- 4-jaws independent chuck
- Face plate type 4-jaw chuck
- Double chuck system
- Steady rest
- Follow rest
- Work light
- Taper attachment
- Moving rear splash guard
- Chip and coolant shield
- Chuck guard
- Leadscrew guard
- Rotating center
- Digital readout system
- Grinding attachment
- Tailstock type: Build in type quill

High Speed Precision Lathe

Conventional & Inverter Type

**Compact Construction!
Extra Smooth!
Economically Priced!**

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



MA - 1720(i) / 1730(i) / 1740(i)

Center Height & Dist. Between Center	Spindle Bore & Spindle Speeds	
215 x 550 / 750 / 1000 mm	Converntional type Ø58mm (2") 20 ~ 2000 RPM	Inverter type Ø58mm (2") 22 ~ 2500 RPM

Specification:

MODEL	MA-1720	MA-1730	MA-1740
WORKING CAPACITY			
Max. Swing over bed	460 mm		
Center height	230 mm		
Max. Swing over cross slide	285 mm		
Max. Swing over gap	630 mm (opt.)		
Dist. Bedween centers	550 mm	750 mm	1000 mm
Width of bed	300 mm		
MAIN SPINDLE			
Spindle bore	58 mm (2")		
Spindle nose	A1-6		
Conventional type spindle speeds(12 steps)	20~2000 rpm		
Inverter type variable speeds	H	215~2500 rpm	
	L	22~214 rpm	
CARRIAGE			
Gross slide travel	250 mm		
Compound rest travel	120 mm		
TAILSTOCK			
Quill dia.	58 mm		
Quill travel	150 mm		
Quill taper	MT#4		
TREADING			
Lead screw	4 TPI or 6 mm/pitch Ø35mm		
Metric pitch threads (mm)	0.5-7 mm/pitch (24 kinds)		
Imperial pitch threads (inch)	4-56 TPI (36 kinds)		
Module pitch threads	0.25-3.5 M (16 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 or 7.5HP (opt.)		
Rapid feed motor	90W (opt.)		
Coolant pump motor	1/8 HP		
PACKING INFORMATION			
N.W.(Approx.)	1550 kgs	1650 kgs	1800 kgs
Packing size (LxWxH)	185x100x170 cm	209x115x170 cm	230x115x170 cm

* Note: We have the right to modify the specifications or designs, if there are subjected to change, without prior notice.

STANDARD EQUIPMENT

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

OPTIONAL EQUIPMENT

- | | |
|---------------------|----------------------------|
| A. CE conformity | F. 3-Jaw scroll chuck |
| B. Gap bed | G. 4-Jaw independent chuck |
| C. Taper attachment | H. Face plate |
| D. Steady Rest | I. Quick change tool post |
| E. Follow rest | J. Work light |