

Our staff are strongly creative and totally dedicated to offering the A1 products to our honourable customers. We are committed to continuous improvement in verything we do and we believe the only true measurin of our success is customer satisfaction quality is not

of our business.
It is our sincere desire to work with each and every one of you as our products developer & end-user. Especially, we deep helpes where us keep strop page with our

of you as our products developer & end-user. Especially we deep believe whom us keep strive pace with our customer and being a good partner in the turning processing techniques.

lathes production equipment.
PC based CNC lathes (flat bed)

The speed processor among the street of



A family of products built to quality & performance they are well designed & engineered products from which you can select the most suitable m/c for your particular application













FLAT BED CNC LATHES

This entirely new design places the emphasis firmly on multi-performance, safety, low noise, advance productivity and easter operation





AC-2600/3000/3300 Series



AC-5100 Series



SPECIFICATIONS:

MODEL

EM WODEL	AC-1840	AC-1860	AC-1880	AC-2140	AG-2160	AC-2180	AC-2540	AC-2560	AC-2580		
Working Capacity											
Swing over bed		460mm			540mm			630mm			
Center height		230mm			270mm		315mm				
Swing over cross slide		230mm			310mm			400mm			
Dist. between centers	1000mm	1500mm	2000mm	1000mm	1500mm	2000mm	1000mm	1500mm	2000mi		
Width of bed		350mm			350mm			350mm			
Headstock											
Spindle speeds		H:3100~681rpm			H:2250~491rpm	1500~331rpm	H:2250~491rpm	1500~331rpm	800~176rg		
		M:680~153rpm			M:490~126rpm	330~93rpm	M:490~126rpm	330~93rpm	175~53rpr		
		L:152~33rpm			L:125~27rpm	92~20rpm	L:125~27rpm	92~20rpm	52~10rpm		
Spindle nose		D1-6			D1-8	A2-11	D1-8	A2-11	A2-11		
Spindle bore		56mm			85mm	105mm(opt.)	85mm	105mm(opt.)	153mm(op		
Saddle											
Longitudinal travel(Z-axis)	810mm	1310mm	1810mm	810mm	1310mm	1810mm	810mm	1310mm	1810mr		
Cross slide travel(X-axis)		280mm			350mm	350mm		350mm			
Tailstock											
Spindle travel		170mm			170mm			170mm			
Taper in spindle		MT#5			MT#5		MT#5				
Motor											
Spindle motor		7.5HP or 10 HP (AC 10HP or 15 H	P (opt.)		10HP or 15 HP (o			
Ball screw(Dia. × pitch)	X:25	×5mm Z:40×	10mm			Z:40×10mm	X:25>	5mm Z:40 × 1	10mm		
Z-axis drive motor		6.3NM				6.3NM 6.3NN					
X-axis drive motor		6.3NM			6.3NM	6.3NM					
Coolant pump motor		1/6HP			1/6HP		1/6HP				
X.Z Feeds											
Z-axis rapid travel		7m/min			7m/min		7m/min				
X-axis rapid travel	5m/min			5m/min	5m/min		5m/min				
Machine Weight											
N.W. (Approx.)	2900kgs	3200kgs	3500kgs	3100kgs	3400kgs	3700kgs	3200kgs	3500kgs	3800k		

FAGOR Control is standard, but ANILAM, FANUC & SIEMENS available on request.

Spindle auto speed shifting(3 steps) and CNC controlling.

All casting are made of high tensile meehanite cast iron which are annealed treatment to eliminate

internal residual stress. Wide bed and box constructed, bed ways are high frequency heat treated, precision ground etc., to

provide stability at high speed running or deep cut. Spindle & gear are made of GR-MO alloy steel which are carburizing & precisely ground, forced

lubricating & oil bathed combined in headstock which can be prolonged servicing life.

Three point support on the spindle with two taper roller bearings and one roller bearing to assure the accuracy & rigidity

AC main drive spindle motor.

High precision ball screw.

o Imperial & metric threading.

Easy manual turning of radial, chamfering, taper, facing and grooving.

Tool radius & geometry compensation.

Internal digital readout. Constant surface speed for model with infinitve variable speed.

Integrated PLC 98 bit bus, 32K RAM.

Serial port(RS-232 interface).

n Teach-in mode Semiautomatic, automatic(Cycle) and part program modes.

Automatic acceleration/deceleration

Rapid travels

Self diagnostic routines. Automatic home searching.

Program input RS-232 or floppy disk(option).

 ^{1.44}MB floppy disk drive(option). Extenal DNC communication software.

SPECIFICATIONS:

MODEL MODEL	AC-2660	AC-2680	AC-26120	AC-26160	AC-26200	AC-3060	AC-3080	AC-30120	AC-30160	AC-30200	AC-3360	AC-3380	AC-33120	AC-33160	AC-332
Working Capacity															
Swing over bed			670mm				770r	nm					840mm		
Center height			335mm				385r	nm					420mm		
Swing over cross slide			400mm				500r	nm					570mm		
Dist. between centers	1600mm	2100mm	3100mm	4100mm	5100mm	1600mm	2100mm	3100mm	4100mm	5100mm	1600mm	2100mm	3100mm	4100mm	5100mi
Width of bed			450mm				450r	nm					450mm		
Headstock															
Spindle speeds	H:2250~49	91rpm 1	500~ 331rp	m 800~	176rpm		H:1500~3	31rpm	800~ 1761	pm	H:1500~33	31rpm 800-	-176rpm 4	50~108rpm	350~87rp
	M:490~126	Brpm 3	30~93rpm	175~	53rpm		M:330~93	rpm	175~53rpr	n	M:330~93	pm 175-	-53rpm 1	07~31rpm	86~26rpr
	L:125~27rg	pm 9	2~20rpm	52~1	0rpm		L:92~20rp	m	52~10rpm		L:92~20rps	m 52~1	Orpm 3	0-6rpm	25~5rpm
Spindle nose	D1-8	A	2-11	A2-1	1		A2-11		A2-11		A2-11	A2-1	1 /	2-15	A2-20
Spindle bore	85mm	1	05mm(opt.)	153m	im(opt.)		105mm		153mm(op	ot.)	105mm	153r	nm(opt.) 2	:30mm(opt.)	305mm(d
Saddle															
Longitudinal travel(Z-axis)	1500mm	2000mm	3000mm	4000mm	5000mm	1500mm	2000mm	3000mm	4000mm	5000mm	1500mm	2000mm	3000mm	4000mm	5000m
Cross slide travel(X-axis)			450mm				450r	nm					450mm		
Tailstock															
Spindle travel			220mm				220r	nm					220mm		
Taper in spindle			MT#5				MT#	5					MT#5		
Motor															
Spindle motor		AC 15	HP or 20 H	P(opt.)			AC 15HP	or 20 HP(o	pt.)			AC 15	HP or 20	OHP(opt.)	
Ball screw(Dia. x pitch)		X:28 × 5	mm Z:5	0×10mm			X:28×5m	n Z:50	×10mm			X:28 ×	5mm Z:5	0×10mm	
Z-axis drive motor			11.6NM				11.6	MI					11.6NM		
X-axis drive motor			6.3NM				6.3N	M					6.3NM		
Coolant pump motor			1/4HP				1/4H	P					1/4HP		
X.Z Feeds															
Z-axis rapid travel			7m/min				7m/r	nin					7m/min		
X-axis rapid travel			5m/min				5m/r	nin					5m/min		
Machine Weight															
N.W. (Approx.)	4100kgs	4600kgs	5600kgs	6600kgs	7600kgs	4300kgs	4800kgs	5800kgs	6800kgs	7800kgs	4500kgs	5000kgs	6000kgs	7000kgs	80008

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- Spindle auto speed shifting(3 steps) and CNC controlling.
- All casting are made of high tensile meehanite cast iron which are annealed treatment to eliminate internal residual stress.
- Wide bed and box constructed, bed ways are high frequency heat treated, precision ground etc., to provide stability at high speed running or deep cut.
- Spindle & gear are made of CR-MO alloy steel which are carburizing & precisely ground, forced
- Dubricating & oil bathed combined in headstock which can be prolonged servicing life.
- Three point support on the spindle with two taper roller bearings and one roller bearing to assure the accuracy & rigidity.
- AC main drive spindle motor.
- High precision ball screw. o Imperial & metric threading.
- Easy manual turning of radial, chamfering, taper, facing and grooving.
- Tool radius & geometry compensation.

 Internal digital readout. Constant surface speed for model with infinitve variable speed.

- Integrated PLC.
- 98 bit bus, 32K RAM.
- Serial port(RS-232 interface).
- n Teach-in mode Semiautomatic, automatic(Cycle) and part program modes.
- Automatic acceleration/deceleration.
- Rapid travels.
- Self diagnostic routines.
- Automatic home searching. Program input RS-232 or floppy disk(option).
- 1.44MB floppy disk drive(option). Extenal DNC communication software.

SPECIFICATIONS:

TEM MODEL	AC-5160	AC-5180		AC-51120	AC-51160	AC-51200	AC-51240
Working Capacity							
Swing over bed				1300mm			
Center height				650mm			
Swing over cross slide				900mm			
Dist. between centers	1700mm	2200mm		3200mm	4200mm	5200mm	6200mm
Width of bed				770mm			
Headstock							
Spindle speeds		H:750~151 rpm	H:560~111 rpm	H:270~54 rpm	H:215~43 rpm	H:155~31 rpm	
		M:150~31 rpm	M:110~21 rpm	M:53~11 rpm	M:42~9 rpm	M:30~7 rpm	
		L:30~6 rpm	L:20~4 rpm	L:10~2 rpm	L:8~1.5 rpm	L:6~1.2 rpm	
Spindle nose		A2-11	A2-15	A2-20	A2-28	A2-28	
Spindle bore		155mm	230mm(opt.)	305mm(opt.)	410mm(opt.)	510mm(opt.)	
Saddle							
Longitudinal travel(Z-axis)	1700mm	2200mm		3200mm	4200mm	5200mm	6200mm
Cross slide travel(X-axis)				680mm			
Ball screw(Dia. xpitch)				X:040X8mm, Z:0	080x10mm		
Tailstock							
Spindle Dia.				165mm			
Spindle travel				300mm			
Taper in spindle				MT#6			
				Build In Type Qu	II		
Motor							
Spindle motor				22 / 33 kw or 28	3 / 42 kw (opt.)		
Z-axis drive motor				39.7NM			
X-axis drive motor				17.3NM			
Coolant pump motor				6 Bar			
X.Z Feeds							
Z-axis rapid travel				7m/min			
X-axis rapid travel				5m/min			
Machine Weight							
N.W. (Approx.)	12000kgs	12800kgs		14400kgs	16000kgs	17600kgs	19200kgs

Note: We have the right to modify the specifications or designs. If there are subjected to change.

STANDARD ACCESSORIES:

Fagor 8055i/A TC Control Lubricate equipment Center sleeve / Center

Leveling bolts / Pads Electrical handwheel(MPG)

 Automatic speed change Work light Chip conveyer

OPTIOONAL ACCESSORIES:

 Manual toolpost(4T) e Electric servo toolpost(H4) Hydraulic turret(V8) Powerful turred(V8 / V12) Steady rest Follow rest • Rotating center MT#6 Siemens / Fanuc control

without prior notice.



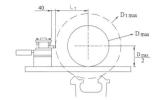
INTERRUPTED DIAGRAM OF TOOL RACK

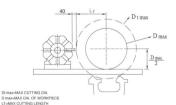




	Model	L max
	AC-1840/AC-2140/AC-2540	800
	AC-1860/AC-2160/AC-2560	1300
FOUR	AC-1880/AC-2180/AC-2580	1800
WAY	AC-2660/AC-3060/AC-3360	1400
TOOL	AC-2680/AC-3080/AC-3380	1900
POST	AC-26120/AC-30120/AC-33120	2900
	AC-26160/AC-30160/AC-33160	3900
	AC-26200/AC-30200/AC-30200	4900

	Model	L max
	AC-1840/AC-2140/AC-2540	710
	AC-1860/AC-2160/AC-2560	1210
EIGHT	AC-1880/AC-2180/AC-2580	1710
STATION	AC-2660/AC-3060/AC-3360	1250
TOOL	AC-2680/AC-3080/AC-3380	1750
POST	AC-26120/AC-30120/AC-33120	2750
	AC-26160/AC-30160/AC-33160	3750
	AC-26200/AC-30200/AC-33200	4750





	Model	Dmax	Dt max	LT
FOUR	AC-1800	0230	0460	230
WAY	AC-2100	0310	0540	270
TOOL	AC-2500	g400	o660	300
POST	AC-2600	0400	0660	385
F031	AC-3000	0500	0770	385
	AC-3300	0570	0800	400

	Model	Dmax	Dt max	LT
	AC-1800	0230	0460	230
EIGHT	AC-2100	0310	0522	260
STATION	AC-2500	0400	0522	260
TOOL	AC-2600	0400	0660	345
POST	AC-3000	o500	ø690	345
	AC-3300	0570	o690	345

FEATURES & PERFORMANCE

HEADSTOCK



All genered headstock provides wide range of spindle speed and the gears are made of chrome-molydenum alloy steet (SGM 21), Carburizing treated, firsh ground for smooth and quiet running, Combined of forced kapication and of bathed in headstock which can be prolonged servicing life

Controls of speed change, feed rate and inchimetric thread pitches are arranged for maximum convenience and no need gear changing. Especially, the wide range of

ELECTRIC CABINET



Safety designed of electrical cabinet is easy to maintain and install, A 24 volts protecting voltage is not harmed to operator whom is shocked.

COMPOUND TOOL REST



The slide way for carriage & saddle are heat treated and precision ground and a hand other provides lubricating for longitudinal and cross motion

TAILSTOCK



Rigid constructed tailstock is able to facilitate making precision turning and drilling. Tailstock quill is hardened and precision ground

DOUBLE CHUCK SYSTEM



The system is suitable for spindle bore over 4*

feed rate selecting and threading are accomplished by turning three levers and one rotary dial



The apron has a interlock device to prevent feeds and thread cutting motion simultaneously and the goars are all oil bathed



The bed and stand are made of one piece Meehanite cast iron which are anneated treatment to eliminate internal residual stress and more stable which can be resisted to wibration due to deep outling.

Wide bed and box constructed, bed ways are high frequency heat treated, precision ground which can be avoided vibration and tool chattering during made heavy duty processing