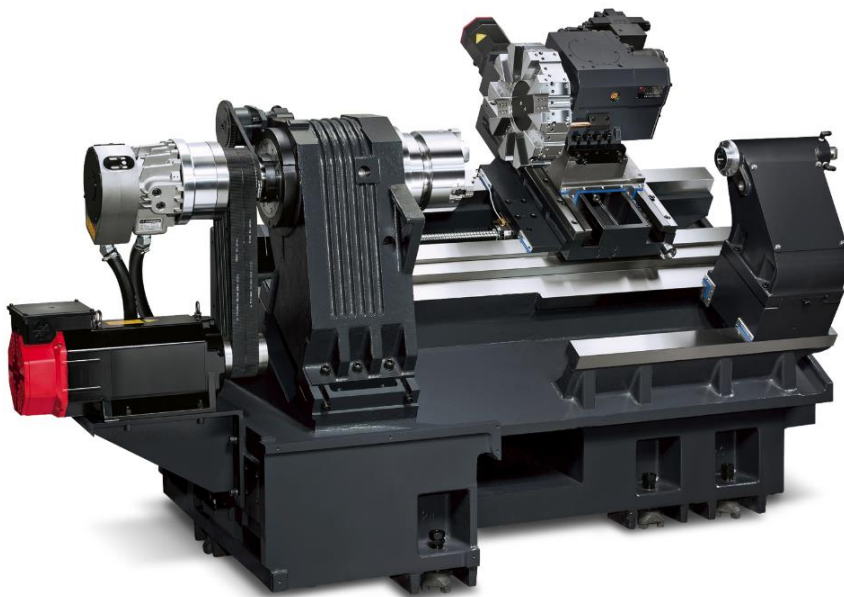


ML-560M

SPECIFICATION



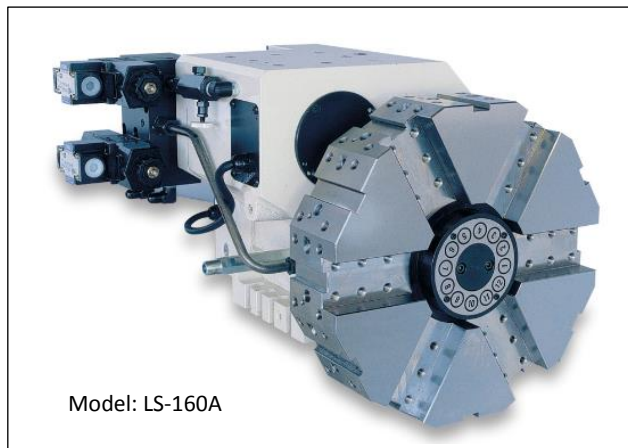
■ Specification of machine



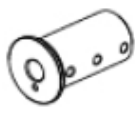

ITEM		Unit	ML-560M
Capacity	Swing over bed	mm	Ø560
	Swing over saddle	mm	Ø 420
	Max. machining dia.	mm	Ø320
	Max. machining length	mm	570 (8"), Opt: 545 (10")
	Slant angle of bed	degree	30°
Travels	X-axis	mm	190(160+30)
	Y-axis	mm	-
	Z-axis	mm	610
	C-axis	degree	360° (0.001°)
Spindle	Spindle speeds	rpm	STD:4,500(6"), Opt: 3,500(10")
	Spindle nose		STD:A2-6
	Spindle bore dia.	mm	STD:Ø62, Opt: Ø79
	Front bearing inner dia.	mm	STD:Ø100
	Draw Bar Dia.	mm	STD:Ø52, Opt: Ø66
Chuck	Chuck diameter	inch	STD: 8" , Opt: 10"
Turret	Type		Hydraulic or Servo
	Stations	pcs	10
	Square tool shank	mm	25x25
	Boring bar shank diameter	mm	Ø40
	Indexing time(0~180 °)	sec	2.1
Live-tool	Tool speeds	rpm	--
Feedrate	Rapid traverse	m/min	X:30, Z:30
Tailstock	type		Automatic
	Quill diameter	mm	Ø65
	Quill bore taper		MT-4
	Quill travel	mm	100
	Tailstock travel	mm	610
Motors	Main spindle	kw	β12 (11/15kw)
	Live-tool	kw	--
	X/Z-axis servo motor	kw	β12 (1.8)
	Hydraulic oil pump	kw	0.75
	Chip conveyor	kw	0.2
	Coolant pump	kw	0.85
Accuracy	Positioning	mm	±0.004
	Repeatability	mm	±0.003
Ball Screws	Diameter	mm	Ø32xP10
Guide Ways	Type		Linear guide way
Power	Fanuc	KVA	380-415/220V 15KVA
Size	Height	cm	181
	Floor space (W x D)	cm	385x191
	Packing (w/conveyor)	cm	404x228x218
	Net weight (w/conveyor)	kgs	3,20
	Gross weight (w/conveyor)	kgs	4,70

■ **Standard accessories:**





Standard accessories	Q'ty	Standard accessories	Q'ty
Fanuc Oi-TF(3) PLUS controller, 10.4" LCD	1 set	Foot pedal for chuck	1 set
Box way	1 set	Auto lubrication system	1 set
A2-6 spindle	1 set	Work lamp	1 set
8" 3-jaw hydraulic chuck	1 set	End of program indicator (3-colors)	1 set
Soft jaws (3pcs)	1 set	Coolant system	1 set
Hard jaws (3pcs)	1 set	Chain type chip conveyor + cart	1 set
10T hydraulic turret	1 set	Tool kits with box	1 set
Full enclosed splash guard	1 set	Leveling bolt and pads	1 set
Air blow for chuck + air unit	1 set	Yida manual	1 set
Programming hydraulic tail stock	1 set	Controller manual	1 set
Heat exchanger for electric cabinet	1 set		









10 tools hydraulic turret	
Specification	Q'ty
□25x25	2 pcs
for turning holder	5 SetS
Φ40	5 pcs
(Φ8,10,12,16,20,25,32)xΦ40	1 set
(MT 2,3,4) x Φ40	1 set
Quill MT 4	1 set



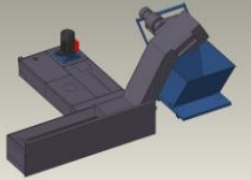
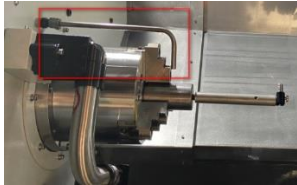




			
Boring bar holder	Turning holder	Taper sleeve	Wedge type tool clamping

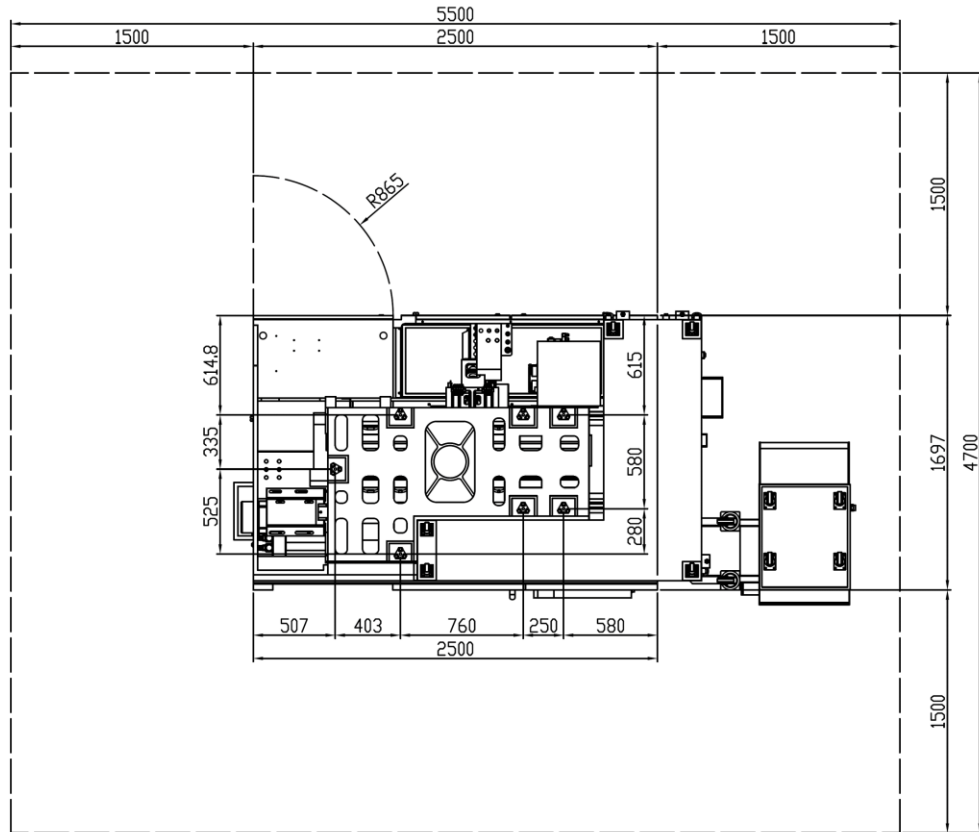
■ **Pictures of accessories**

01	1 set – Fanuc Oi-TF(3) plus ,10.4 LCD controller system with Yida control panel + fixed MPG	
02	1 set - Splash guard + Coolant system + chip conveyor with cart	
03	1 set - Hydraulic system	
04	1 set - A2-6 Spindle (Kenturn)	
05	1- pcs Foot pedal for chuck	
06	1 set – 10 tools hydraulic turret Model: LS-160A Brand: Lio Shing	

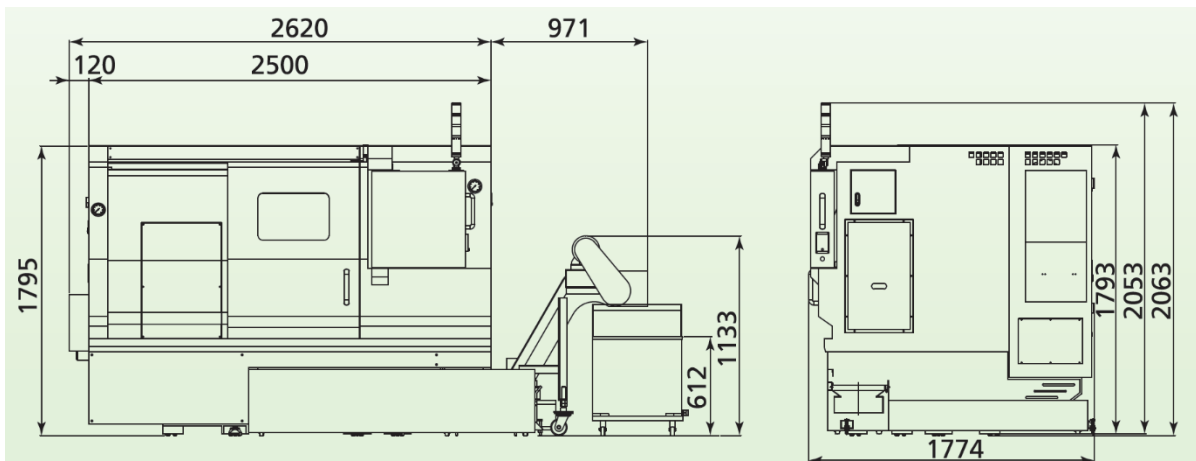
07	1 set – Transformer (15KVA)	
08	1 set - 8" Chuck Brand: Autogrip or Strong or Taiwanese brand	
09	1 set/3pcs – 8" soft jaws	
10	1set/3pcs – 8" hard jaws	
11	1 set – work lamp	
12	1set - Programming hydraulic tailstock (saddle drives the moving of tailstock with lock pin)	
13	1 set - End of program indicator (3-colors)	
14	1 set -Auto lubrication system	

15	1 set - Leveling bolt and pads (7pcs)	
16	1 pc - air gun	
17	1 set - Coolant tank + chip conveyor + cart *Coolant capacity: 190L	
18	1 set – Air blow for chuck	
19	1 set - Tool kits with box	
20	1 set –Yida manual & controller manual (CD)	

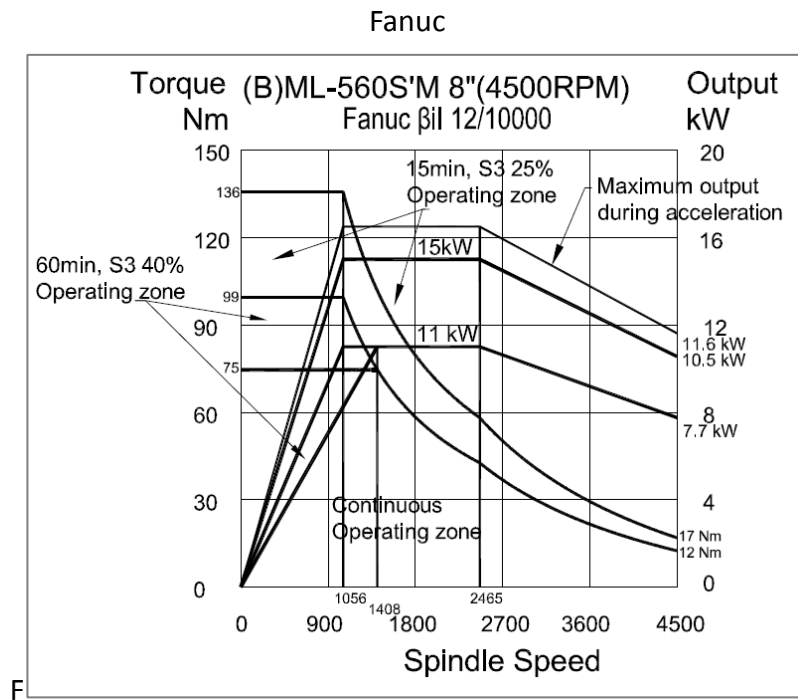
■ Foundation



■ Dimension of machine



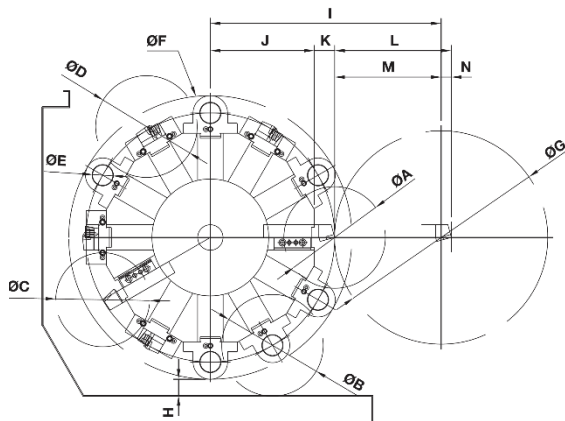
■ Spindle power and torque diagram



Tool interference diagram

Hydraulic & Servo Turret

unit: mm



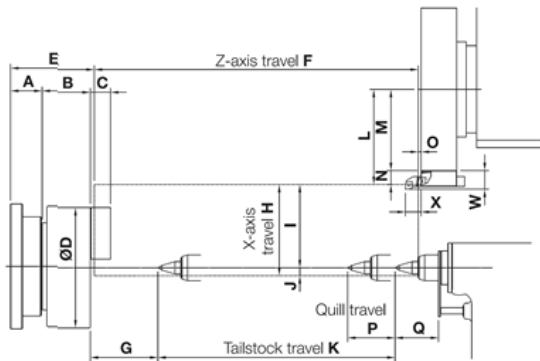
MODEL	CAPACITY	DIMENSION						
		A	B	C	D	E	F	G
ML-560S/M	10-TOOL	205	205	185	210	46	478	320
	12-TOOL	170	170	155	175	32	455	320

MODEL	CAPACITY	DIMENSION						
		H	I	J	K	L	M	N
ML-560S/M	10-TOOL	45	360	165	35	190	160	30
	12-TOOL	57.5	360	165	35	190	160	30

Work Envelope

Hydraulic / Servo Turret - O.D. Tool Holder

unit: mm



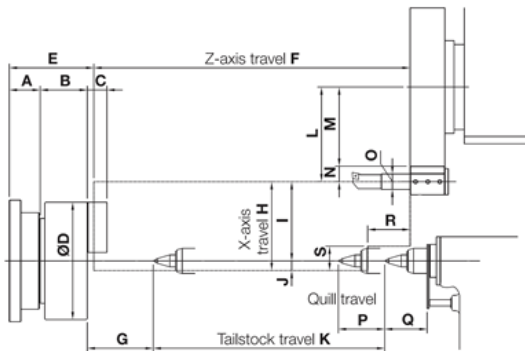
MODEL	SPINDLE	DIMENSION						
		A	B	C	D	E	F	G
ML-560S	8"	80	103	39	210	189.3	360	104.6
ML-560M	8"	80	103	39	210	189.3	610	104.6

MODEL	SPINDLE	DIMENSION						
		H	I	J	K	L	M	N
ML-560S	8"	190	160	30	360	200	165	35
ML-560M	8"	190	160	30	610	200	165	35

MODEL	SPINDLE	DIMENSION						
		O	P	Q	R	S	W	X
ML-560S	8"	7	100	84.7	X	X	47	40
ML-560M	8"	7	100	84.7	X	X	47	40

Hydraulic / Servo Turret - I.D. Tool Holder

unit: mm



MODEL	SPINDLE	DIMENSION						
		A	B	C	D	E	F	G
ML-560S	8"	80	103	39	210	196.3	360	104.6
ML-560M	8"	80	103	39	210	196.3	610	104.6

MODEL	SPINDLE	DIMENSION						
		H	I	J	K	L	M	N
ML-560S	8"	190	155	35	360	205	165	40
ML-560M	8"	190	155	35	610	205	165	40

MODEL	SPINDLE	DIMENSION				
		O	P	Q	R	S
ML-560S	8"	40	100	84.7	13	80
ML-560M	8"	40	100	84.7	13	80