

# Lathes

*ML-560S / ML-560M (Linear way)*  
*BML-560S / BML-560M (Box way)*



*Mecaltron*

龍馬精機

# Specifications

Unit: mm

	ML-560S		ML-560M		BML-560S		BML-560M	
	Standard	C axis	Standard	C axis	Standard	C axis	Standard	C axis
<b>Working range</b>								
Chuck dia. (inch)	Ø8"		Ø8"		Ø8"		Ø8"	
Swing over bed/saddle	Ø 560 / Ø 420		Ø 560 / Ø 420		Ø 560 / Ø 420		Ø 560 / Ø 420	
Distance between centers	537		787		537		787	
Max. machining dia.	Ø320	Ø300	Ø320	Ø300	Ø320	Ø300	Ø320	Ø300
Max. machining length	320		570		320		570	
<b>Travels</b>								
X/Z-axis	190 / 360		190 / 610		190 / 360		190 / 610	
<b>Spindle</b>								
Spindle speed (rpm)	50-4500		50-4500		50-4500		50-4500	
Spindle nose	A2-6		A2-6		A2-6		A2-6	
Spindle bore dia. / Draw bar dia.	Ø62/Ø52 (Ø79/Ø66)		Ø62/Ø52 (Ø79/Ø66)		Ø62/Ø52 (Ø79/Ø66)		Ø62/Ø52 (Ø79/Ø66)	
Front bearing inner dia.	Ø100		Ø100		Ø100		Ø100	
<b>Turret</b>								
Stations	10	12	10	12	10	12	10	12
Square tool shank	25x25	20x20	25x25	20x20	25x25	20x20	25x25	20x20
Boring bar shank dia.	Ø40	Ø25	Ø40	Ø25	Ø40	Ø25	Ø40	Ø25
<b>Live-tooling</b>								
Spindle speed (rpm)	50-5000		50-5000		50-5000		50-5000	
Rotary tool motor (kw)	α2 2.2/3.7		α2 2.2/3.7		α2 2.2/3.7		α2 2.2/3.7	
<b>Feed rate</b>								
X/Z-axis rapid traverse (M/min)	30 / 30		30 / 30		20 / 20		20 / 20	
<b>Automatic Tailstock</b>								
Quill dia. / travel	Ø65 / 50		Ø65 / 50		Ø65 / 50		Ø65 / 50	
Quill bore taper	MT-4		MT-4		MT-4		MT-4	
<b>Motor</b>								
Main spindle (kw)	β12 11/15	α8 7.5 / 11	β12 11/15	α8 7.5 / 11	β12 11/15	α8 7.5 / 11	β12 11/15	α8 7.5 / 11
X/Z-axis servo motor (kw)	β12 1.8	α8 1.6	β12 1.8	α8 1.6	β12 1.8	α8 1.6	β12 1.8	α8 1.6
<b>Accuracy XZ ISO230-2 (97)</b>								
Positioning / repeatability (μ)	±3 / ±2		±3 / ±2		±4 / ±3		±4 / ±3	
<b>General</b>								
Dimension (LxWxH)	2330 x 1760 x 1800		2620 x 1790 x 1800		2330 x 1760 x 1800		2620 x 1790 x 1800	
Packing (w/conveyor)	3640 x 2280 x 2180		4040 x 2280 x 2180		3640 x 2280 x 2180		4040 x 2280 x 2180	
Net weight (w/conveyor) (kg)	3380		3660		3380		3720	
Power	220V 15KVA		220V 15KVA		220V 15KVA		220V 15KVA	

## STANDARD ACCESSORIES

- 8" 3-Jaw Hydraulic chuck + cylinder
- Fully splash guard
- One set of soft jaw.
- Foot pedal for chuck.
- Chain type Chip conveyor and bucket
- Program manual and parts list
- 10-tool Servo turret (YT-200)(N/A when order power turret)
- Face holder x 2, tool dimension 25x25mm (N/A when order power turret)
- Boring bar holders (Ø40) x 5 (N/A when order power turret)
- One set boring bar bushings (8,10,12,16,20,25,32mm) \*O.D.40
- Operation manual and maintenance manual
- One set drill sleeve ( MT2, MT3, MT4 ) \*O.D.40
- Programmable Hydraulic tailstock with MT No.4 quill
- A set of leveling bolts and pads.
- One year machine parts warranty.

## OPTIONAL ACCESSORIES

- Siemens / Mitsubishi controller
- Collet chuck / Spring collet
- Steady rest
- Bar feeder / Bar feeder interface
- Servo turret / V.D.I turret / Live tooling turret
- Parts catcher
- Oil and coolant separator
- Oil mist collector
- Foot pedal for tailstock
- Manual tool setter
- Automatic tool setter
- Transformer
- CE
- Automatic door
- Gear box (Taiwan / ZF)



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