

Machine Specification

Model	Description	Unit	BML / ML-800S	BML / ML-800M	BML / ML-800L
Capacity	Swing over bed	mm(in.)	Ø800		
	Swing over saddle	mm(in.)	Ø600		
	Max machining dia	mm(in.)	Ø620		
	Standard turning dia	mm(in.)	Ø600		
	Max work length	mm(in.)	1000	2000	3000
	Slant angle of bed	(°)	30°	30°	30°
Travels	X-axis	mm(in.)	340(310+30)		
	Z-axis	mm(in.)	1100	2100	3100
	C-axis	deg	360	360	360
Main spindle	Spindle speeds	min ⁻¹ (rpm)	1500~2500		
	Spindle nose		A2 -8(A2-11/A2-15)		
	Chuck size	mm(in.)	Ø315 (12") [Ø405 (15") / Ø457 (18")]		
	Spindle bore dia	mm(in.)	Ø105 [Ø134 / Ø160 / Ø182]		
	Draw bar bore	mm(in.)	Ø91 [Ø122 / Ø142 / Ø166.5]		
Turret	Type		[Lio Shing] LS-250 Opt:(LS-320)		
	Disc shape / No. of tools	pcs	10(12)		
	Square tool shank height	mm(in.)	32X32		
	Boring bar shank dia	mm(in.)	Ø50 (Ø1.97)		
	Indexing time	s	0.95		
Live-tool	Max. rotary tool speed	r / min	4000		
	Max. rotary tool torque	N-m (ft-lb)	100		
Feedrates	Rapid traverse	m/min(ipm)	X : 16		
		m/min(ipm)	Z : 20		
		r / min	C : 50		
Tailstock	Quill dia	mm(in.)	Ø125 / [Ø150]		
	Tapered bore type	(live center)	MT5 fixed type / (MT5 rotary type)		
	Quill travel	mm(in.)	150		
	Tail stock travel	mm(in.)	1100	2100	3100
Motors	Main spindle (30min/cont)	KW(hp)	α il22 / 8000-B+ gear box Opt:α il 30 / 7000-B 30/37(40.2 / 49.6) α il40 / 7000-B 37/45(49.6 / 60.0)		
	Live-tool (30min/cont)	KW(hp)	α 6 / 10000 i 5.5~7.5(7.4~10)		
	Axis drive	KW(hp)	X:α 22/3000 3.0(4.0)		
	Axis drive	KW(hp)	Z:α 22/3000 3.0(4.0)		
CNC controller	Fanuc type		Fanuc OiT-F(1)Plus		
	Mitsubishi type		M80		