2. Specification table

2.1 PUMA MX2600 series

MX2600 Series		Unit	MX2600	MX2600S	MX2600T	MX2600ST
1) CAPACITY						
Swing over bed		mm	1,000	1,000	1,000	1,000
Swing over saddle	UPPER	mm	700	700	700	700
	LOWER	mm	–	–	376	376
Recommended turning diameter		mm	255	255	255	255
Max. turning diameter		mm	760	760	760	760
Max. working length		mm	1,540	1,540	1,540	1,540
Bar working diameter		mm	76	76	76	76
2)MAIN SPINDLE (LEFT SPINDLE & RIGHT SPINDLE)						
Chuck size		mm	255	255	255	255
Spindle nose		ASA	A2#8	A2#8	A2#8	A2#8
Spindle diameter (front)		mm	130	130	130	130
Spindle through hole		mm	86	86	86	86
Bore of draw tube		mm	77	77	77	77
Main spindle motor power (30min./Cont.)						
Fanuc α B 160S/ 13000 (Built-in)		kW	26/22	26/22	26/22	26/22
Max. spindle speed		r/min	4,000	4,000	4,000	4,000
Max. spindle indexing angle (C-axis)		deg	0.001	0.001	0.001	0.001
3)MILLING SPINDLE						
Milling spindle taper			CAPTO C6	CAPTO C6	CAPTO C6	CAPTO C6
Milling spindle diameter (front)		70	70	70	70	70
Milling spindle motor power (30min./Cont)						
Fanuc α B 112S/ 20,000i (Built-in)		mm	18.5/11	18.5/11	18.5/11	18.5/11
Max. milling spindle speed		mm	12,000	12,000	12,000	12,000
Max. milling spindle torque (S3 15% rating)		N.m	118	118	118	118
Index of milling spindle itself		360 deg. in 30 deg. increment.				
4) AUTOMATIC TOOL CHANGER (ATC)						
Tool storage capacity		EA	40	40	40	40
Tool changer arm			Swing Arm	Swing Arm	Swing Arm	Swing Arm
Tool select type			Fixed address			
Tool shank			CAPTO C6	CAPTO C6	CAPTO C6	CAPTO C6
Max. tool diameter	Continuous	mm	Ø90	Ø90	Ø90	Ø90
	Without adjacent tools	mm	Ø130	Ø130	Ø130	Ø130
Max. tool length		mm	400	400	400	400
Max. tool Mass		kg	10	10	10	10
Tool change time (tool to tool)		sec	1.8	1.8	1.8	1.8

MX2600 Series		Unit	MX2600	MX2600S	MX2600T	MX2600ST

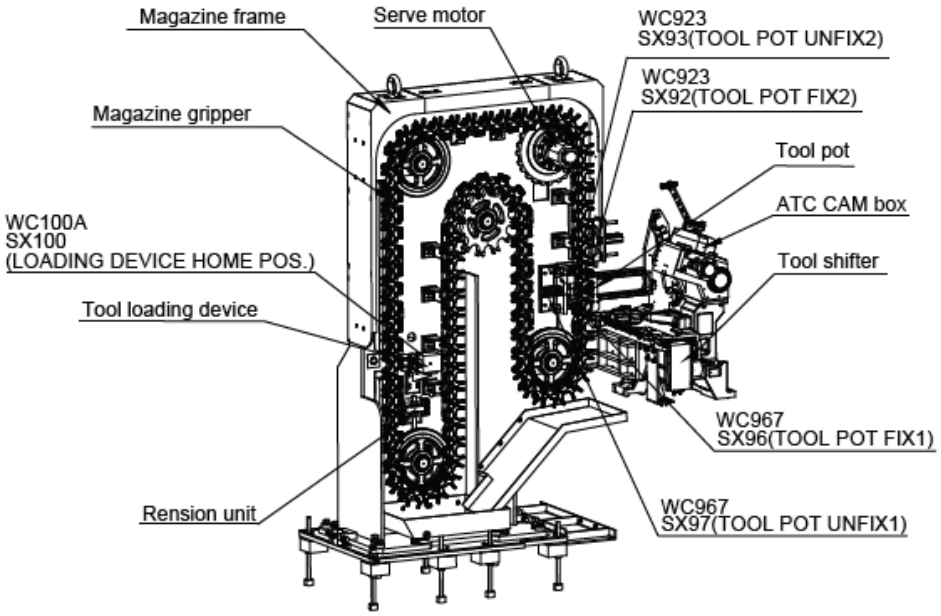
5) CARRIAGE

Travel distance	X1-axis	mm	630	630	630	630
	X2-axis	mm	–	–	220	220
	Z1-axis	mm	1,585	1,585	1,585	1,585
	Z2-axis	mm	–	–	1,515	1,515
	Y-axis	mm	230 (±115)	230 (±115)	230 (±115)	230 (±115)
	A-axis	mm	1,550	1,550	1,550	1,550
	C1,C2-axis	deg	360 (0.001°)	360 (0.001°)	360 (0.001°)	360 (0.001°)
	B-axis	deg	240 (±120)	240 (±120)	240 (±120)	240 (±120)
	B-axis coupling clamp deg	deg	5	5	5	5
Rapid traverse	X1,Z1,Z2-axis	m/min	36	36	36	36
	X2-axis	m/min	–	–	24	24
	Y-axis	m/min	26	26	26	26
	A-axis	m/min	7	30	7	30
	C1, 2-axis	r/min	400	400	400	400
	B-axis	r/min	42	42	42	42
Max. cutting Federate	X1, 2-axis	mm/rev	500	500	500	500
	Z1, 2-axis	mm/rev	500	500	500	500
	Y-axis	mm/rev	500	500	500	500
	A-axis	mm/rev	–	500	-	500
	C1, C2-axis	mm/rev	500	500	500	500
Ball screw diameter x lead	X1-axis	mm	36x12	36x12	36x12	36x12
	X2-axis	mm	–	–	36x12	36x12
	Z1-axis	mm	40x16	40x16	40x16	40x16
	Z2-axis	mm	–	–	40x16	40x16
	Y-axis	mm	36x10	36x10	36x10	36x10
	A-axis	mm	28x6	40x12	28x6	40x12
Servo (X1-axis)	Fanuc α 22/3,000iB	kW	4	4	4	4
(X2-axis)	Fanuc α 12/3,000iB	kW	–	–	3	3
(Z1-axis)	Fanuc α 30/3,000i	kW	7	7	7	7
(Z2-axis)	Fanuc α 30/3,000i	kW	–	–	7	7
(Y-axis)	Fanuc α 12/3,000i	kW	3	3	3	3
(A-axis)	Fanuc α22/ 3,000i (R-Spd)	kW	–	4	–	4
	Fanuc β 12/2,000iB (T/S)		1.8	–	1.8	–
(B-axis)	Fanuc α 12s/4,000i	kW	2.7	2.7	2.7	2.7

MX2600 Series		Unit	MX2600	MX2600S	MX2600T	MX2600ST
6) BED & SADDLE						
Slant angle		deg	60	60	60	60
Guideway span	Z1-axis	mm	520	520	520	520
	X1-axis	mm	355	355	355	355
	X2-axis	mm	–	–	315	315
	A, Z2-axis	mm	465	465	465	465
	Ys-axis	mm	510	510	510	510
7) TOOL POST (Lower)						
No. of tool stations			–	–	12	12
OD tool size		mm	–	–	25x25	25x25
Boring bar size		mm	–	–	40	40
Rotary tool motor	Fanuc α 1.5/10,000i	kW	–	–	7.8	7.8
Rotary tool speed		r/min	–	–	4,000	4,000
Rotary tool torque		Nm	–	–	24.3	24.3
Turret index time	1 Station swivel	sec	–	–	0.2	0.2
8) SERVO DRIVEN TAIL STOCK (Built-in dead center)						
Max. thrust force		kN	10	–	10	–
Bore taper			MT#5	–	MT#5	–
Travel		mm	1,550	–	1,550	–
9) POWER SOURCE						
Electric power supply (kVA : Rated capacity)		kVA	70	100	70	100
10) Machine size						
Height from floor to spindle center		mm	1,280	1,280	1,280	1,280
Std. M/C Dimension (length x width)		mm	5,125 x 2,619	5,125 x 2,619	5,125 x 2,619	5,125 x 2,619
Machine height		mm	3,013	3,013	3,013	3,013
Net mass of the machine		kg	13,900	14,500	14,900	15,500

2) 80-tool magazine

A. composition



* Hydraulic valve

YV61	TOOL POT UNFIX 2
YV66	TOOL SHIFT MAGAZINE POS./WAIT POS.
YV63 YV62	TOOL POT UNFIX 1

2026-02-24 13:25:43/MTF201[illegible]

<COMPOSITION FOR 80 TOOLS >

B. specifications

- Tool pockets : 80
- Tool selection method : Fixed address type
- Index method

  Automatic : Short-cut random selection

  Manual : CW/CWW rotation with push-button switch
- Tool detection

  The presence/absence of a tool is detected by a photoelectric sensor.
- Driving motor

  Servo motor : BETA 8/3000is (FANUC)
- Reduction ratio :16