

FX series		Unit	FX2013	FX2513	FX2016	FX2516	FX3020
Controller			Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD
<b>Travel</b>							
X axis roller type	mm	2000	2500	2000	2500	3000	
Y axis roller type	mm	1300	1300	1600	1600	2000	
Z axis box type	mm	800	800	800	800	870	
Distance from spindle nose to table	mm	950	950	950	950	1025	
Distance between column	mm	1500	1500	1700	1700	2100	
<b>Table</b>							
Table size	mm	2000x1100	2500x1100	2000x1400	2500x1400	3000x1600	
Table loading	kg	4000	4000	6000	8000	10000	
T slot (W x no. x Pitch)	mm	22x7x150	22x7x150	22x9x150	22x9x150	22	
<b>Spindle</b>							
Spindle speed	rpm	6000	6000	6000	6000	3000	
Spindle motor power	kw (hp)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	
Spindle tapper	type	BT50	BT50	BT50	BT50	BT50	
Spindle driven type	type	Belt	Belt	Belt	Belt	Gear box	
<b>Rapid traverse and cutting feed</b>							
XYZ Rapid traverse	m/min	20/20/12	20/20/12	20/20/12	20/20/12	10/10/8	
XYZ Cutting feed	m/min	1 - 10	1 - 10	1 - 10	1 - 10	0.005 - 5	
XYZ Servo motor power	kw (hp)	5.5/4.5/4.5	5.5/4.5/4.5	5.5/4.5/4.5	5.5/4.5/4.5	5.5/4.5/4.5	
<b>Automatic tool changer</b>							
Automatic tool changer	type	ARM type	ARM type	ARM type	ARM type	ARM type	
Tool pocket no.	no	24	24	24	24	24	
Max. tool dia. without neighbor tool	mm	200	200	200	200	200	
Max. tool dia. With neighbor tool	mm	110	110	110	110	110	
Max. tool weight	kg	18	18	18	18	18	
ATC time : tool to tool	sec	15	15	15	15	15	
ATC time : chip to chip	sec	25	25	25	25	25	
<b>Accuracy</b>							
Positioning (VDI 3441)	mm	0.05	0.05	0.05	0.05	0.05	
Repeatably (VDI 3441)	mm	0.035	0.035	0.035	0.035	0.035	
<b>Miscellaneous</b>							
Floor space requirement (L x W)	mm	6630x3900	7650x3900	6630x4330	7650x4330	8100x3900	
Max height of machine (H)	mm	3980	3980	3980	3980	5100	
Machine weight	kg	16600	18500	18000	20500	32600	
Pneumatic source requirement	bar	6	6	6	6	6	
Electric power requirement	KVA	50	50	50	50	50	

  

FX series		Unit	FX4020	FX5020	FX8025	FX4025	FX5025
Controller			Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD
<b>Travel</b>							
X axis roller type	mm	4000	5000	3000	4000	5000	
Y axis roller type	mm	2000	2000	2500	2500	2500	
Z axis box type	mm	870	870	870	870	870	
Distance from spindle nose to table	mm	1025	1025	1025	1025	1025	
Distance between column	mm	2100	2100	2600	2600	2600	
<b>Table</b>							
Table size	mm	4000x1600	5000x1600	3000x2000	4000x2000	5000x2000	
Table loading	kg	13000	15000	10000	13000	15000	
T slot (W x no. x Pitch)	mm	22	22	22	22	22	
<b>Spindle</b>							
Spindle speed	rpm	3000	3000	3000	3000	3000	
Spindle motor power	kw (hp)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	
Spindle tapper	type	BT50	BT50	BT50	BT50	BT50	
Spindle driven type	type	Gear box	Gear box	Gear box	Gear box	Gear box	
<b>Rapid traverse and cutting feed</b>							
XYZ Rapid traverse	m/min	10/10/8	10/10/8	10/10/8	10/10/8	10/10/8	
XYZ Cutting feed	m/min	0.005 - 5	0.005 - 5	0.005 - 5	0.005 - 5	0.005 - 5	
XYZ Servo motor power	kw (hp)	5.5/4.5/4.5	9.4/5.4/5	5.5/4.5/4.5	5.5/4.5/4.5	9.4/5.4/5	
<b>Automatic tool changer</b>							
Automatic tool changer	type	ARM type	ARM type	ARM type	ARM type	ARM type	
Tool pocket no.	no	24	24	24	24	24	
Max. tool dia. without neighbor tool	mm	200	200	200	200	200	
Max. tool dia. With neighbor tool	mm	110	110	110	110	110	
Max. tool weight	kg	18	18	18	18	18	
ATC time : tool to tool	sec	15	15	15	15	15	
ATC time : chip to chip	sec	25	25	25	25	25	
<b>Accuracy</b>							
Positioning (VDI 3441)	mm	0.05	0.05	0.05	0.05	0.05	
Repeatably (VDI 3441)	mm	0.035	0.035	0.035	0.035	0.035	
<b>Miscellaneous</b>							
Floor space requirement (L x W)	mm	11000x5300	12600x5300	8100x5900	11000x5900	12600x5900	
Max height of machine (H)	mm	5100	5100	5100	5100	5100	
Machine weight	kg	38500	43500	36300	41400	46500	
Pneumatic source requirement	bar	6	6	6	6	6	
Electric power requirement	KVA	50	50	50	55	60	

  

FX series		Unit	FX9030	FX6030	FX8030	FX6035	FX8035
Controller			Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD
<b>Travel</b>							
X axis roller type	mm	5000	6000	8000	6000	8000	
Y axis roller type	mm	3000	3000	3000	3500	3500	
Z axis box type	mm	870	870	870	870	870	
Distance from spindle nose to table	mm	1025	1025	1025	1025	1025	
Distance between column	mm	3100	3100	3100	3600	3600	
<b>Table</b>							
Table size	mm	5000x2500	6000x2500	8000x2500	6000x3000	8000x3000	
Table loading	kg	20000	25000	30000	10000	13000	
T slot (W x no. x Pitch)	mm	22	22	22	22	22	
<b>Spindle</b>							
Spindle speed	rpm	3000	3000	3000	3000	3000	
Spindle motor power	kw (hp)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	
Spindle tapper	type	BT50	BT50	BT50	BT50	BT50	
Spindle driven type	type	Gear box	Gear box	Gear box	Gear box	Gear box	
<b>Rapid traverse and cutting feed</b>							
XYZ Rapid traverse	m/min	6/8/8	6/8/8	6/8/8	6/8/8	6/8/8	
XYZ Cutting feed	m/min	0.005 - 5	0.005 - 5	0.005 - 5	0.005 - 5	0.005 - 5	
XYZ Servo motor power	kw (hp)	9.5/5.4/5	9.5/5.4/5	9.5/5.4/5	9.5/5.4/5	14.5/5.4/5	
<b>Automatic tool changer</b>							
Automatic tool changer	type	ARM type	ARM type	ARM type	ARM type	ARM type	
Tool pocket no.	no	24	24	24	24	24	
Max. tool dia. without neighbor tool	mm	200	200	200	200	200	
Max. tool dia. With neighbor tool	mm	110	110	110	110	110	
Max. tool weight	kg	18	18	18	18	18	
ATC time : tool to tool	sec	15	15	15	15	15	
ATC time : chip to chip	sec	25	25	25	25	25	
<b>Accuracy</b>							
Positioning (VDI 3441)	mm	0.05	0.05	0.05	0.05	0.05	
Repeatably (VDI 3441)	mm	0.035	0.035	0.035	0.035	0.035	
<b>Miscellaneous</b>							
Floor space requirement (L x W)	mm	12600x6500	15000x6500	20500x6500	13000x7200	20500x7200	
Max height of machine (H)	mm	5200	5200	5200	5600	5600	
Machine weight	kg	48000	55000	65000	60000	72000	
Pneumatic source requirement	bar	6	6	6	6	6	
Electric power requirement	KVA	60	70	80	80	90	

  

FX series		Unit	FX1005	FX1005	FX1005	FX1005	FX1005
Controller			Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD
<b>Travel</b>							
X axis roller type	mm	10000					
Y axis roller type	mm	3500					
Z axis box type	mm	870					
Distance from spindle nose to table	mm	1025					
Distance between column	mm	3600					
<b>Table</b>							
Table size	mm	10000x3000					
Table loading	kg	15000					
T slot (W x no. x Pitch)	mm	22					
<b>Spindle</b>							
Spindle speed	rpm	3000					
Spindle motor power	kw (hp)	18.5/22 (25/30)					
Spindle tapper	type	BT50					
Spindle driven type	type	Gear box					
<b>Rapid traverse and cutting feed</b>							
XYZ Rapid traverse	m/min	6/8/8					
XYZ Cutting feed	m/min	0.005 - 5					
XYZ Servo motor power	kw (hp)	14.5/5.4/5					
<b>Automatic tool changer</b>							
Automatic tool changer	type	ARM type					
Tool pocket no.	no	24					
Max. tool dia. without neighbor tool	mm	200					
Max. tool dia. With neighbor tool	mm	110					
Max. tool weight	kg	18					
ATC time : tool to tool	sec	15					
ATC time : chip to chip	sec	25					
<b>Accuracy</b>							
Positioning (VDI 3441)	mm	0.05					
Repeatably (VDI 3441)	mm	0.035					
<b>Miscellaneous</b>							
Floor space requirement (L x W)	mm	26000x7200					
Max height of machine (H)	mm	5600					
Machine weight	kg	85000					
Pneumatic source requirement	bar	6					
Electric power requirement	KVA	100					

  

WX series		Unit	WX2020	WX4020	WX5020	WX4025	WX5025
Controller			Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD	Fanuc 0iMD
<b>Travel</b>							
X axis roller type	mm	3000	4000	5000	4000	5000	
Y axis roller type	mm	2000	2000	2000	2500	2500	
Z axis box type	mm	870	870	870	870	870	
Distance from spindle nose to table	mm	1300	1300	1300	1300	1300	
Distance between column	mm	1500	1500	1500	1700	1700	
Distance between column	mm	2050	2050	2050	2550	2550	
<b>Table</b>							
Table size	mm	3000x1500	4000x1500	5000x1500	4000x2000	5000x2000	
Table loading	kg	10000	12000	14000	13000	16000	
T slot (W x no. x Pitch)	mm	22	22	22	22	22	
<b>Spindle</b>							
Spindle speed	rpm	3000	3000	3000	3000	3000	
Spindle motor power	kw (hp)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	18.5/22 (25/30)	
Spindle tapper	type	BT50	BT50	BT50	BT50	BT50	
Spindle driven type	type	Gear box	Gear box	Gear box	Gear box	Gear box	
<b>Rapid traverse and cutting feed</b>							
XYZ Rapid traverse	m/min	10/10/8	10/10/8	8/8/8	10/10/8	10/10/8	
XYZ Cutting feed	m/min	0.005 - 5	0.005 - 5	0.005 - 5	0.005 - 5	0.005 - 5	
XYZ Servo motor power	kw (hp)	5.5/4.5/4.5	5.5/4.5/4.5	9.5/5.4/5	5.5/4.5/4.5	9.4/5.4/5	
<b>Automatic tool changer</b>							
Automatic tool changer	type	Drum type	Drum type	Drum type	Drum type	Drum type	
Tool pocket no.	no	16	16	16	16	16	
Max. tool dia. without neighbor tool	mm	200	200	200	200	200	
Max. tool dia. With neighbor tool	mm	110	110	110	110	110	
Max. tool weight	kg	18	18	18	18	18	
ATC time : tool to tool	sec	20	20	20	20	20	
ATC time : chip to chip	sec	30	30	30	30	30	
<b>Accuracy</b>							
Positioning (VDI3441)	mm	0.05	0.05	0.05	0.05	0.05	
Repeatably (VDI3441)	mm	0.035	0.035	0.035	0.035	0.035	
<b>Miscellaneous</b>							
Floor space requirement (L x W)	mm	9980x5300	11300x5300	13300x5300	12000x5900	13300x5900	
Max height of machine (H)	mm	5800	5800	5800	6000	6000	
Machine weight	kg	27500	30000	35000	48000	550	