

Type		unit	FD 18 Series					FD 21 Series		FD 24 Series						FD 28 Series				FD 32 Series				
Item			FD-1822	FD-1827	FD-1832	FD-1842	FD-1852	FD-2142	FD-2152	FD-2442A	FD-2452A	FD-2432	FD-2442	FD-2452	FD-2460	FD-2832	FD-2842	FD-2852	FD-2860	FD-3242	FD-3252	FD-3260		
Distance between columns	mm		1850					2150		2450						2850				3250				
Table size	Length	mm	2300	2800	3300	4300	5300	4300	5300	4300	5300	3300	4300	5300	6200	3300	4300	5300	6200	4300	5300	6200		
	Width	mm	1500					1800		2000						2200				2600				
T-slot	Width×No×Pitch	mm	22 x 9 x 150			22 x 5 x 250		22 x 7 x 250		22 x 7 x 250			28 x 11 x 180			28 x 13 x 180				28 x 15 x 180				
Travel	X-axis	mm	2200	2700	3200	4200	5200	4200	5200	4200	5200	3200	4200	5200	6000	3200	4200	5200	6000	4200	5200	6000		
	Y-axis	mm	1800					2100		2400						2800				3200				
	Z-axis	mm	800									800(1100)												
Spindle	Nose to table	mm	200~1000				375~1175				300~1000 (300 ~1400)													
	Center to column	mm	427														435							
	Taper		BT50 (BBT50, HSK-100A)																					
	Speed	rpm	6000 (8000/10000)																					
	Power	KW	18.5 / 22 (22 / 26) (con/30min)											22 / 26 (30 / 37) (con/30min)										
X, Y, Z feedrate	Cutting	mm/min	5 ~ 8000																					
	Rapid	m/min	20 / 20 / 15				15 / 15 / 15				15 / 15 / 12													
Accuracy	Positioning	mm	± 0.01 / all travel																					
	Repeatability	mm	± 0.005																					
ATC & tool magazine	Capacity	pcs	24 (32, 40, 60, 80, 120)																					
	Max Tool dia / Length	mm	Max. dia Ø125 (full tools); Ø220 (Adjacent pocket empty) / Max.Length 400																					
	Max tool weight	kg	20 (25)											28 (35)										
	Tool Selection		Take shortest direction																					
	Pull stud		M24 P3.0 - 45°																					
Required power	KVA	45				50				55						65								
Maximum Load	ton	8				10				11		12		16				18				20		
Machine size	Length	mm	6900	7900	9100	11100	13100	11100	13100	11100	13100	9200	11200	13200	14600	9200	11200	13200	14600	11200	13200	14600		
	Width	mm	3910					4210		4510		5590						5990				6390		
	Height	mm	4250				4550								5450									
Machine Weight	ton	24	27	30	33	36	35	38	39	45	39/43	44/48	49/53	54/58	43/48	50/55	57/62	64/69	53/58	60/65	67/71			

Standard Accessories

- Spindle coolant system.
- Spindle air blast.
- Cutting coolant system.
- Auto-lubrication system.
- Rigid tapping.
- Control cabinet air-cooler.
- Program end alarm light.
- RS232 interface.
- Working light.
- Air/water cleaning equipment.
- Twin screw-type chip conveyors.
- Chain-type chip conveyor with cart.
- Semi-enclosed splash guard.
- Operation manual.
- Tools & tool box.
- ZF-DUOPLAN 2K250 H/L gearbox.
- Cam type ATC 24 tool.
- ATC Auto door.
- Foot switch for tool away.
- FANUC OiMC.

Optional Accessories

- High pressure coolant thru spindle.
- Coolant thru tool holder device.
- Tool length measurement.
- Auto work piece measurement system.
- X-axis linear scale.
- Y, Z axis linear scale.
- Heighten block (sub-table).
- Oil skimmer.
- CNC rotary table.
- 90° milling head (5° indexing).
- Automatic attachment changer (AAC).
- Universal milling head.
- Extension head.
- 90° boring head.
- Auto exchange seat for special head.
- FANUC 18iMB.
- Data Server.
- AINANO HPCC (AICC).
- Spindle motor 30/37KW.
- ZF-DUOPLAN 2K300 H/L gearbox.
- Tool Magazine 32,40,60,80,120pcs.
- Full enclosure splash guard.
- Built-in spindle 8000/10000 rpm.