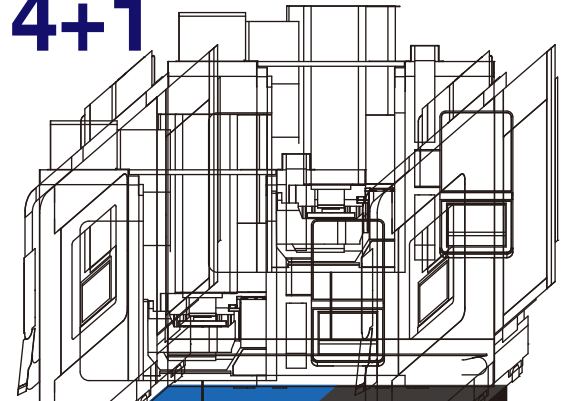




Multi-Function 3+2 4+1 Simultaneous 5Axis Machining Center



Rayder Machinery Corporation.

No.178, Guangqi Rd., Shengang Dist.,
Taichung City 42948 Taiwan
Tel: +886-4-2561-2611
Fax: +886-4-2561-1613
E-mail: sales@focaseiki.com.tw
www.focaseiki.com.tw



Multi-Function 3+2 4+1
Simultaneous 5Axis
Machining Center



- HQ-container packing (Lowest shipping fee) 3 or 4sets
- Built -in Spindle as standard
- Reservoir -type Lubricator, Bronze Tube oil Circa
- 3 Axes Adopted Roller Type Linear Guideways.
- 4 Slide way on base (Y axis) / for over 1100 structure.

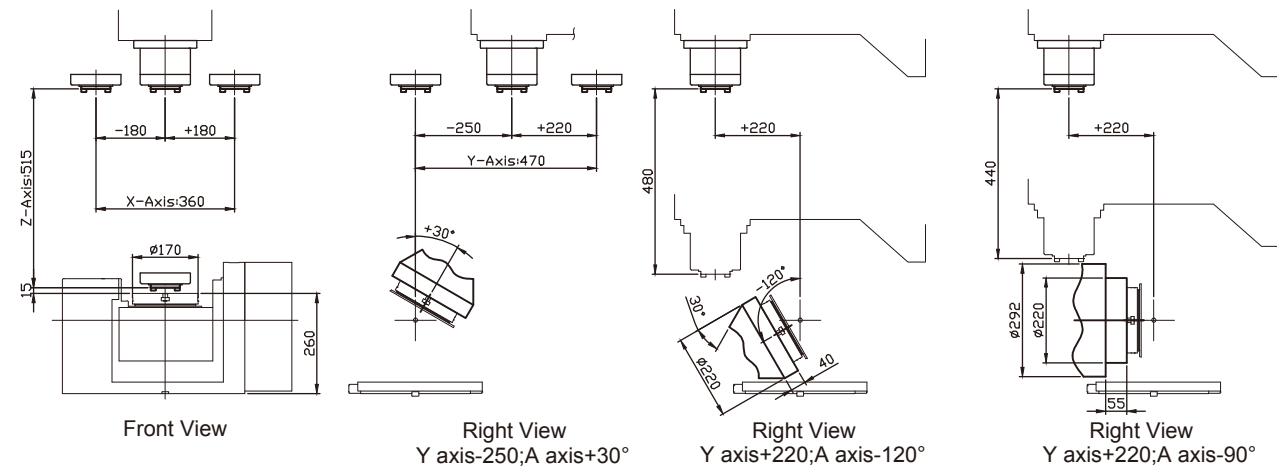


- 5 Axis Control Vertical Machining Center (4+1 also)
- Rotary Table with External Encoder 10"/arc (Option 5"arc), 0.001 minimum Position

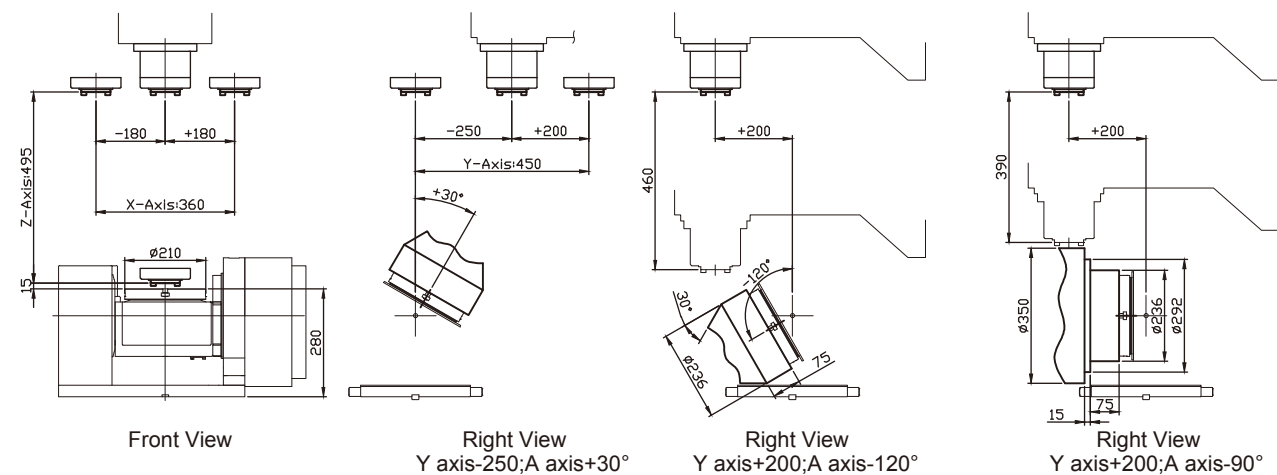
- Movealde Control Panel for Easier Operation
- Small Footprint but Bigger Travel of Machine
- Aesthetics Design Cover



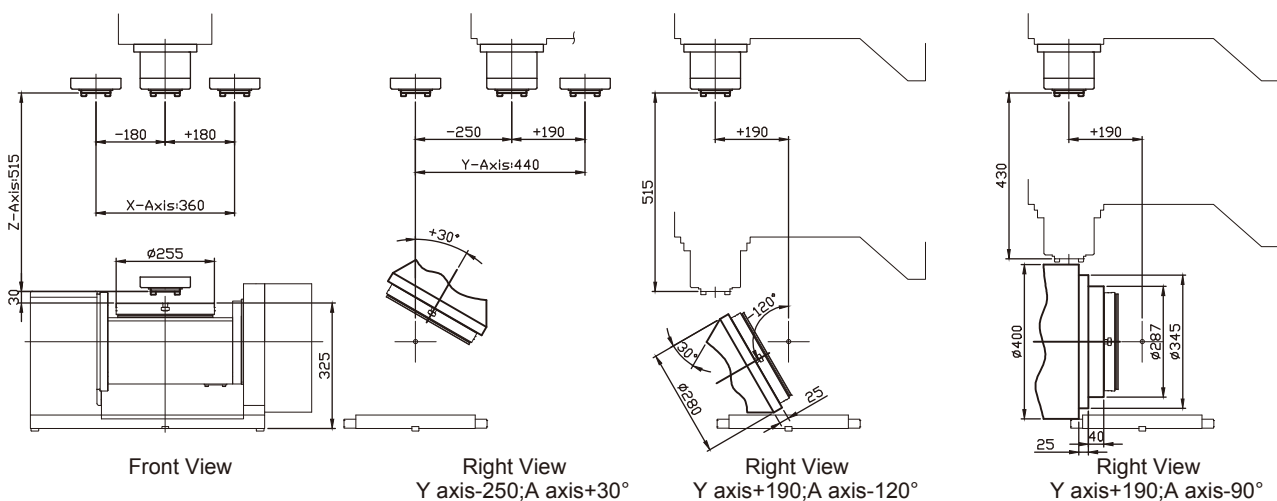
FUV-170 X AXES WORKING AREA : 360
Y AXES WORKING AREA : 470 (-250~+220)
Z AXES WORKING AREA : 515(nose distance 15~530)
ATLM



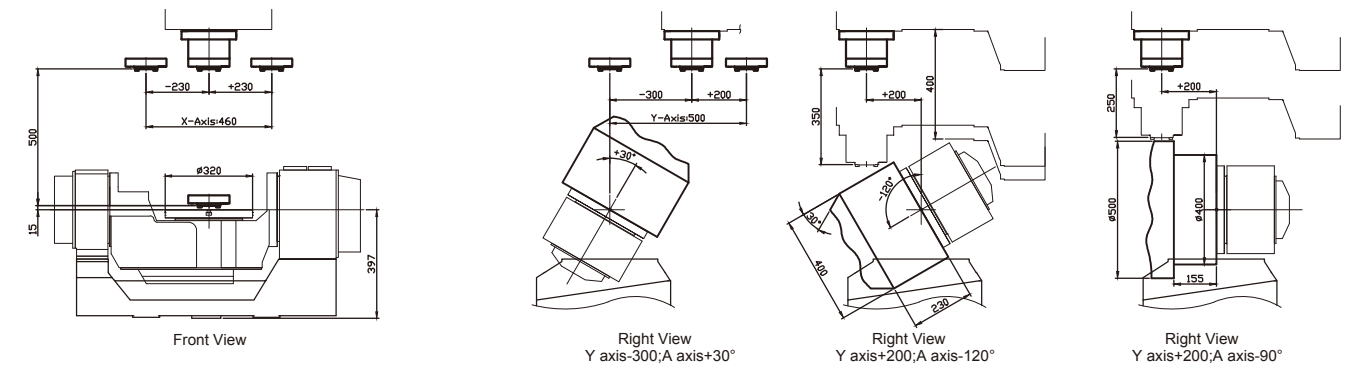
FUV-200 X AXES WORKING AREA : 360
Y AXES WORKING AREA : 450 (-250~+200)
Z AXES WORKING AREA : 495(nose distance 15~510)
ATLM



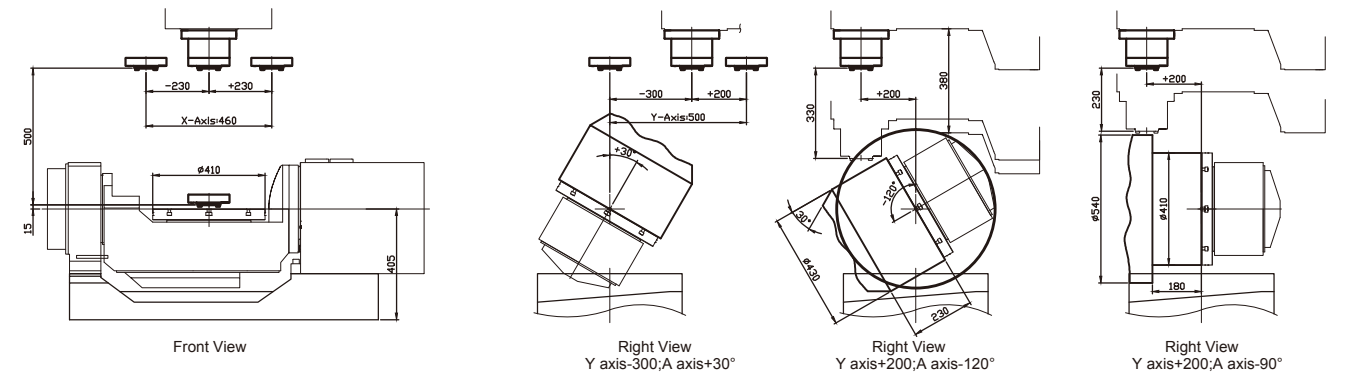
FUV-250 X AXES WORKING AREA : 360
Y AXES WORKING AREA : 440 (-250~+190)
Z AXES WORKING AREA : 515(nose distance 30~545)
ATLM



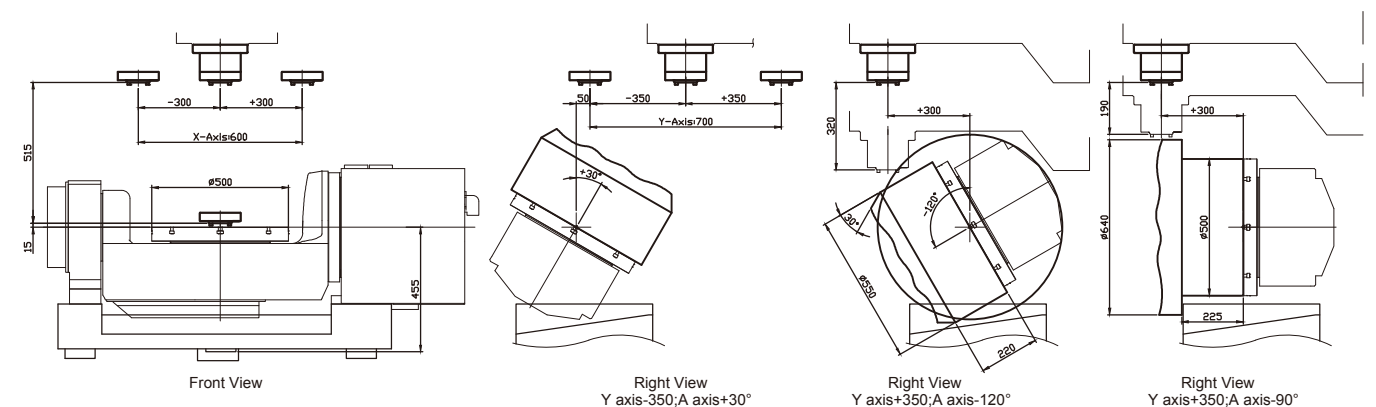
FUV-320 X AXES WORKING AREA: 460
Y AXES WORKING AREA : 500 (-300~+200)
Z AXES WORKING AREA : 500(Long nose distance 15~515)
Max tool length 250mm

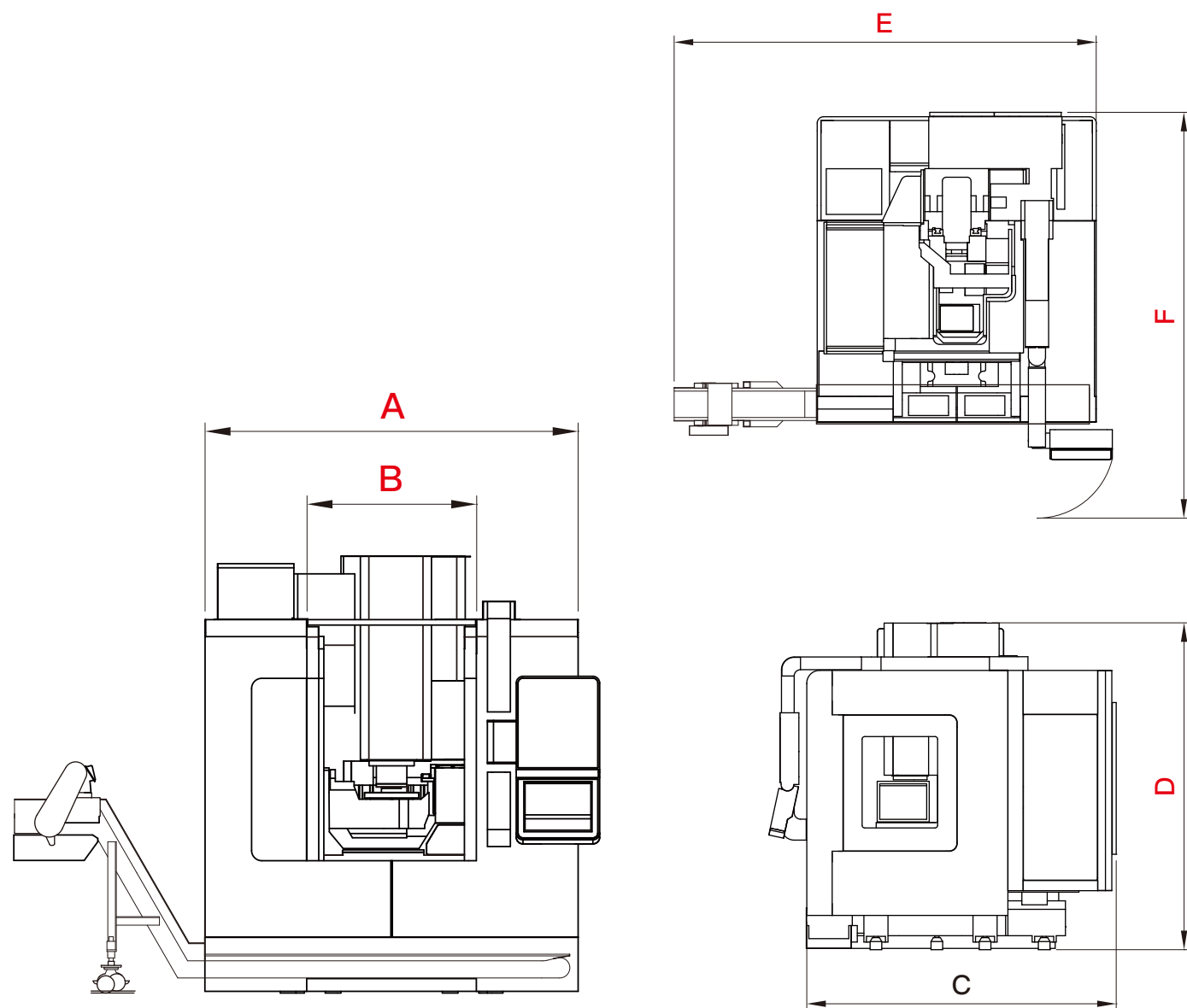


FUV-400 X AXES WORKING AREA : 460
Y AXES WORKING AREA : 500 (-300~+200)
Z AXES WORKING AREA : 500(Long nose distance 15~515)
Max tool length 250mm



FUV-500 X AXES WORKING AREA : 600
Y AXES WORKING AREA : 700(Center Shift -50mm)
Z AXES WORKING AREA : 500(Long nose distance 15~515)
Max tool length 240mm





Outline Dimensions

	A	B	C	D	E	F
FUV-170 FUV-200	1900	760	2410	Min.2330 Max.2830	2560 (Chip Auger) 3010 (Chip Conveyor)	3310
FUV-250	1900	760	2410	Min.2395 Max.2910	2560 (Chip Auger) 3010 (Chip Conveyor)	3310
FUV-320 FUV-400	2200	1000	2440	Min.2545 Max.3045	2880 (Chip Auger) 3330 (Chip Conveyor)	3200
FUV-500	2900	1350	2270	Min.2750 Max.3250	3560 (Chip Auger) 4010 (Chip Conveyor)	3170

Machine Specifications

	FUV-170	FUV-200	FUV-250	FUV-320	FUV-400	FUV-500
TABLE						
Table Size (mm)	Ø170	Ø200	Ø255	Ø320	Ø410	Ø500
Tavel Range (X/Y/Z) (mm)	360 x 470 x 515	360 x 450 x 495	360 x 440 x 515	460 x 500 x 500	460 x 500 x 500	600 x 700 x 500
T-Slot Size(mm)	12H7			14H7		
Max. TableLoad (0°/90°) (kg)	30 / 30		100 / 70	200 / 100	200 / 150	300 / 250
Dia. of TableCenter Hole(mm)	Ø40			Ø50		Ø70
Spindle Nose To Table Surface (mm)	15 ~ 530	15 ~ 510	30 ~ 545	15 ~ 515	15 ~ 515	15 ~ 515
A Axis, Tilt (deg)	+30° ~ -120°					
C Axis, Rotary (deg)	360°					
SPINDLE						
Spindle Transmission	Direct (Built-in)					
Spindle Motor (kW)	5.5 / 7.5 (12 / 15)			7.5 / 11 (15 / 18.5)		
Spindle Speed (Direct) (rpm)	12000 (15000)			10000 (12000/15000)		10000 (12000/15000)
Spindle Speed (Built-in) (rpm)	15000 (18000/24000)					
ATC						
Tool Shank	ISO 40					
Tool Capacity (T)	24 (30/36)			24 (30/36)		24 (30/40)
Max. Tool Length (mm)	250					
Max. Tool Dia. (mm)	24/30T: Ø75/Ø150 36T: Ø65/Ø130			24/30T: Ø75/Ø150 40T: Ø75/Ø127		
RAPID SPEED						
X/Y/Z Axis (m/min)	36			36 / 36 / 30		36 / 36 / 30
A/C Axis (rpm)	33 / 22			25 / 25		16 / 11
Cutting Feedrate (m/min)	12					
OTHERS						
Machine Dimension (with chip auger) (mm)	2560 x 3310 x 2830		2560 x 3310 x 2910		2880 x 3200 x 3045	3560 x 3170 x 3250
Machine Dimension (with chip conveyor) (mm)	3010 x 3310 x 2830		3010 x 3310 x 2910		3330 x 3200 x 3045	4010 x 3170 x 3250
Machine Weight (kgs)	4500		6600		8700	
Coolant Capacity (L)	180		350		400	
STANDARD ACCESSORIES :			OPTIONAL ACCESSORIES :			
1. Arm Type Automatic Tool Changer (24 Tools)			1. Control System : Fanuc, Mitsubishi, Heidenhain, Fagor			
2. Fully Enclosed Guard			2. Transformer			
3. Swivel Control Box			3. Chip Conveyor			
4. Work Light & Alarm Light			4. Auto Tool Length Measurement			
5. Coolant & Chip Flushing System			5. Auto Workpiece Measurement			
6. Auto Power Off			6. Linear Scale			
7. Rigid Tapping			7. Coolant Through Spindle (30 bar, 50 bar, 70 bar)			
8. Tool Box			9. Spindle Splash Ring			
9. Leveling Bolts & Pads			10. A.T.C. 30 or 36 Tools (Arm Type)			
10. Operation Manual			40 Tools (Chain Type) (FUV-500)			
11. Spindle Coolant Ring			12. Spindle Speed : Direct :12000/15000 rpm			
12. Chip Auger			Built-in : 15000/18000/24000 rpm			
			13. Rear Coolant Flash Device			