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# ACER CNC Bed Type Milling Machines

Fanuc Oi-D Mate!



Conventional head model available.  
Air power drawbar shown is optional.



## ATM-1454+

### Standard Accessories for Bed Mill:

1. Tool Box with Tools
2. Accordion Way Covers on Y & Z Axis
3. Operation Manual with Part Manual
4. Auto Lubrication System
5. Leveling Pads with Screws
6. Touch-up Paint

### Optional Accessories for All Models:

1. MPG
2. 4th Axis Servo Drive & Motor
3. Air Power Drawbar (ATM-1054 & 1454)
4. Chip Pan / Rear Splash Guard on Right & Left Side
5. Flood Coolant System
6. Table Guard
7. CAT#40 Collet Sets
8. Drawbar for NMTB#40 Collets
9. 4th Axis Rotary Table

## ATM-1054+

*Fagor, Mitsubishi, And Other CNC Controllers Are Also Available!!!*

Model		ATM-1054	ATM-1054+	ATM-1454	ATM-1454+
Table	Table Size	10"×54" (254×1372mm)		14"×54" (356×1372mm)	
	T-Slots	3×5/8" (16mm)		3×5/8" (16mm)	
	Table Load	1320 lbs (600 kgs)		1960 lbs (891 kgs)	
Travel	X Axis Max./ Rapid Feed	31.5" (800mm)/200ipm		40" (1016mm)/200ipm	
	Y Axis Max./ Rapid Feed	20" (500mm)/200ipm		22.44" (570mm)/200ipm	
	Z Axis Max./ Rapid Feed	20.87" (530mm)/200ipm		26.77" (680mm)/200ipm	
	Max. Spindle Nose to Table	5.31" (135mm)~25.39" (645mm)		1" (25.4mm)~27.75" (705mm)	
	Spindle Center to Column Face	23.62" (600mm)		21.3" (540mm)	
Spindle	Quill Diameter	4" (100mm)	4.72" (120mm)	4" (100mm)	4.72" (120mm)
	Quill Travel	5" (127mm)	—	5" (127mm)	—
	Spindle Taper	CAT#40; BT#40, NMTB#40 Opt.		CAT#40; BT#40, NMTB#40 Opt.	
	Spindle Speed Hi/Low RPM	60~4500 / 7~570	0~6000	60~4500 / 7~570	0~6000
	Spindle Feed-3 Ranges in(mm)/rev.	0.0015", 0.003", 0.006" (0.15, 0.04, 0.08mm)	—	0.0015", 0.003", 0.006" (0.15, 0.04, 0.08mm)	—
	Spindle Rotation Angle	±90° Left to Right	—	±90° Left to Right	—
Motor	Spindle HP	5	7.5	5	7.5
	X Axis Servo Motor	AC 750watts (βiSc 4/4000-B)		AC 750watts (βiSc 4/4000-B)	
	Y Axis Servo Motor	AC 750watts (βiSc 4/4000-B)		AC 750watts (βiSc 4/4000-B)	
	Z Axis Servo Motor	AC 750watts (βiSc 4/4000-B)		AC 750watts (βiSc 4/4000-B)	
	Coolant Pump HP (Opt.)	1/8		1/8	
	Lubrication Pump Watts	80		80	
Power	Control	230V / 3P / 30A	230V / 3P / 45A	230V / 3P / 30A	230V / 3P / 45A
	Machine	9HP (6KVA)	12HP (9KVA)	9HP (6KVA)	12HP (9KVA)
Air Req.	Pneumatic Pressure	—	85.34 psi (6 kg/cm <sup>2</sup> ) min.	—	85.34 psi (6 kg/cm <sup>2</sup> ) min.
Dimension	Max. Height	100" (2540mm)		104.7" (2660mm)	
	Height from Table Top to Bottom of Bed	35.43" (900mm)		31.5" (800mm)	
	Width of Machine Including Table	76.44" (1945mm)		94.49" (2400mm)	
	Overall Length with Electrical Door Closed	80.71" (2050mm)		84.65" (2150mm)	
	Overall Length with Electrical Door Open	103.15" (2620mm)		109.06" (2770mm)	
	Overall Width with Full Table Traverse	108.27" (2750mm)		141.73" (3600mm)	
	Footprint of Machine inches	76.44"×78.74"×100"		100"×74"×110"	
	Footprint of Machine metric	1945×2000×2540mm		2540×1880×2794mm	
Weight	Max. Machine Operation Space	109"×104"×98" 275×262×248cm		135.8"×109.1"×104.7" 345×277×266cm	
	Net Approx.	4558 lbs (2072 kgs)	5001 lbs (2273 kgs)	6058 lbs (2748 kgs)	6327 lbs (2870 kgs)
	Gross Approx.	4807 lbs (2185 kgs)	5254 lbs (2388 kgs)	6336 lbs (2874 kgs)	6605 lbs (2996 kgs)
Packing Dimension Approx.	X×Y×Z inch (metric) w/balancing block	86.22"×86.22"×85.83" 219×219×218cm		90.55"×78.74"×88.58" 230×200×225cm	90.55"×78.74"×96.46" 230×200×245cm
<b>Maximum Working Capacity in Mild Steel</b>					
Drilling Max. Capacity		Ø1" (25mm)	Ø1-1/4" (32mm)	Ø1" (25mm)	Ø1-1/4" (32mm)
Milling Max. Capacity		5 in <sup>3</sup> /min (81.93 cm <sup>3</sup> /min)	7 in <sup>3</sup> /min (114.71 cm <sup>3</sup> /min)	5 in <sup>3</sup> /min (81.93 cm <sup>3</sup> /min)	7 in <sup>3</sup> /min (114.71 cm <sup>3</sup> /min)
Boring Capacity		Ø4.75" (120mm)	Ø6.3" (160mm)	Ø4.75" (120mm)	Ø6.3" (160mm)
Tapping Max. Capacity		1" (25mm)	1.18" (30mm)	1" (25mm)	1.18" (30mm)
Handwheel Type (Opt.)		Electronic MPG		Electronic MPG	

Note: The manufacturer reserves the right to modify the design, specification, mechanisms, etc., to improve the performance of the machine without prior notice. All specifications shown above are for reference only!

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