

**ACRA FDM SERIES DOUBLE COLUMN VERTICAL MACHINE CENTER**



**DESCRIPTION:**

The ACRA FDM Series Double Column Vertical Machining Centers Are Accurate And Reliable Machines Designed For Large Or Workpieces And Molds That Require Quality Machining Large Heavily Ribbed Meehanite Casting, Quality Components, Provide Unparalleled Rigidity, Precision, And Lasting Performance

**OPTION CHART**

X / Y / Z Travel	Table Size	Column to Column	Spindle to Table
<b>DM-3000 (inch)</b>			
126 / 55 / 30 (Std)	118 x 47	63	5.5 – 35
126 / 71 / 30	118 x 67	79	5.5 – 35
126 / 94 / 30	118 x 67	98	5.5 – 35
<b>DM-4000 (inch)</b>			
165 / 71 / 30 (Std)	157 x 67	79	5.5 – 35
165 / 94 / 30	157 x 67	98	5.5 – 35
165 / 71 / 35	157 x 67	79	10.6 – 46
165 / 94 / 35	157 x 67	98	10.6 – 46

SPECIFICATIONS		FDM-3000	FDM-4000
TABLE	Overall Size	118" x 47"	157" x 67"
	No. T Slots / Size	8" / .9" x 6"	9" / .9" x 6.75"
	Max. Table Load	13,215 LBS	15,418 LBS
TRAVELS	Standard X / Y / Z	126" / 55" / 30"	165" x 71" x 30"
	Options X/Y/Z	(See Option Chart Below)	(See Option Chart Below)
	Between Columns	63" (79" / 98" Opt.)	79" (98" Opt.)
	Spindle To Table	5.5" – 35"	10.6" – 46"
BALLSCREWS	X / Y / Z Dia x Pitch	63 / 50 / 50 x 10 MM	80 / 50 / 50 x 10 MM
	Class	C3	C3
SPINDLE	Taper	BT-50	BT-50
	Speed	20 – 3,000 RPM	20 – 3,000 RPM
	Spindle Motor	37.5 HP (30 HP FANUC)	37.5 HP (30 HP FANUC)
FEED RATES	Rapid X, Y	472 IPM	472 IPM
	Rapid Z	393 IPM	393 IPM
	Cutting Feedrate	0.04 – 196 IPM	0.04 – 196 IPM
ACCURACIES (W/ Full Table Load)	Positioning	± 0.0002" / 12"	± 0.0002" / 12"
	Repeatability	0.00012"	0.00012"
	Roundness	0.0004" / 12" Dia	0.0004" / 12" Dia
AUTOMATIC TOOL CHANGER	No. Of Tools	40 (60 Opt.)	40 (60 Opt.)
	Type Tool Changer	Arm Type	Arm Type
	Max Tool Dia./Length	8" / 12"	8" / 12"
	Max Tool Weight	15.4 LBS	15.4 LBS
	Index Time (T / T)	10 SEC	10 SEC
OVERVIEW	Overall Size	118" x 47"	157" x 67"
	Net Weight	50,660 LBS	63,876 LBS
	Power	40 KVA	40 KVA
	Air Required	80 PSI	80 PSI