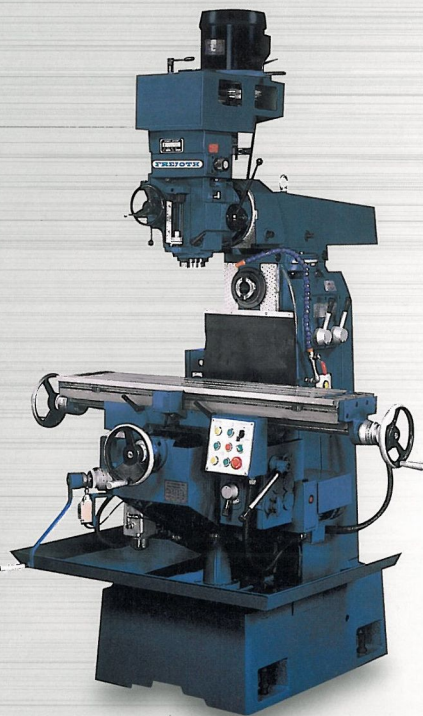




VERTICAL & HORIZONTAL TURRET MILLING MACHINE FVHM-320A

- 1.X.Y.Z AXES BY SERVO MOTOR ●
- 2.X.Y. AXES-BALL SCREW ●
- 3.VERTICAL SPINDLE SPEED-A.C. INVERTER VARIABLE SPEED ●
- 4.X/Y/Z - 930 x 400 x 450 mm ($36 \frac{3}{4}$ x $15 \frac{3}{4}$ x $17 \frac{3}{4}$ ") ●
- 5.TABLE - 1270 x 300 mm (50 x 12") ●

VERTICAL & HORIZONTAL TURRET MILLING MACHINE



FVHM-250

- LONGITUDINAL FEED BY GEAR BOX
- X / Y / Z-700 x 250 x 440 mm ($27 \frac{1}{2} \times 9 \frac{7}{8} \times 17 \frac{1}{4}$ ")
- TABLE:1100 x 250 mm ($43 \frac{1}{4} \times 9 \frac{7}{8}$ ")



FVHM-300A

- LONGITUDINAL FEED BY GEAR BOX
- TABLE ELEVATING BY AC MOTOR
- X/Y/Z - 930 x 400 x 450 mm ($36 \frac{3}{4} \times 15 \frac{3}{4}$ ")
- TABLE:1270 x 300 mm ($50 \times 11 \frac{7}{8}$ ")



x 17 3/4")

FVHM-600A

- X-Y AXES BY SERVO MOTOR
- VERTICAL RAPID FEED BY AC MOTOR
- X/Y/Z - 930 x 520 x 450 mm (37 x 20 1/2 x 18")
- TABLE: 1270 x 370 mm (50 x 14 1/2")

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STANDARD ACCESSORIES

- COOLANT SYSTEM
- CUTTER ARBOR
- CUTTER SLEEVE
- DRAW BAR
- TOOLS AND TOOLS BOX
- OPERATIONAL MANUAL AND SPARE PARTS LIST

ADDITIONAL STANDARD ACCESSORIES FOR:

FVHM-320A

- X.Y.Z AXES SERVO MOTOR
- X & Y AXES BALL SCREW
- VERTICAL HEAD AUTO LUBRICATION PUMP
- SLIDE WAY AUTO LUBRICATION PUMP

FVHM-300A

- VERTICAL HEAD AUTOMATIC LUBRICATION PUMP
- X & Y AXES COATED TURCITE-B
- SLIDE WAY AUTO LUBRICATION PUMP

FVHM-250A

- LINGITUDINAL GEAR BOX MOTOR
- TABLE ELEVATING MOTOR

FVHM-500A

- COOLANT EQUIPMENT
- X, Y AXES BALL SCREW
- VERTICAL HEAD AUTO LUBRICATION PUMP
- SLIDE WAY AUTO LUBRICATION PUMP

OPTIONAL ACCESSORIES

- 4 / 5 / 6" K TYPE MILLIN VICE
- 4 / 5 / 6" ANG-LOCK VICE
- 58 PCS. CLAMPING KIT
- 7 / 15 PCS. OZ-25 MILLING CHUCK SET
- ER-25 / 32 MILLING CHUCK SET
- ELECTRONIC POWER FEED UNIT
 - WORK LAMP
 - MIST KITS
- DRILL CHUCK AND ARBOR
- 2 / 3 / 4" BORING HEAD AND SHANKS
- 8 / 10 / 12" V/H ROTARY TABLE
 - DIVIDING HEADS
 - HYDRAULIC MILLING VICE
 - ANGLE PLATE
- POWER DRAW BAR-AIR OR ELECTRICAL TYPE
 - EDGE FINDERS
 - Z-ZERO SETTERS

VERTICAL & HORIZONTAL TURRET MILLING MACHINE

SPECIFICATIONS		FVHM-320A	FVHM-300A	FVHM-250	FVHM-500A
TABLE		*****			
Working Surface	mm(inch)	1270 x 300 (50 x 12)		1100 x 250 (43 x 10)	1270 x 370 (50 x 14 1/2)
T-slot Nominal	mm(inch)	16 x #3 x 80 (5/8 x #3 x 3)		16 x #3 x 60 (5/8 x #3 x 2 3/8)	18 x #3 x 80 (7/8 x #3 x 3)
Max. Loading Weight	kgs(Lbs)	500 (1100)		350 (770)	500 (1100)
Travel-lingitudinal (MANUAL)	mm(inch)	930 (37)		700 (27 1/2)	930 (36 1/2)
Travel-cross (MANUAL)	mm(inch)	400 (16)		250 (10)	520 (20 1/2)
Travel-vertical (MANUAL)	mm(inch)	450 (18)		440 (17)	440 (17)
Feed-lingitudinal	mm/min(IPR)	6 step-22-384 (0.865-15.1)		6 step-22-384 (0.865-15.1)	-
Rapid Feed-lingitudinal	mm/min(IPR)	30-3000 (1-120)	1250 (50)	1250 (50)	30-3000 vari
Rapid Feed-cross	mm/min(IPR)	30-3000 (1-120)	(50-2200) UARI	-	30-3000 vari
Rapid Feed-vertical	mm/min(IPR)	30-750 (1-30)	430 (17)	430 (17)	1150(30-1150 vari opt.)
VERTICAL SPINDLE		*****			
Spindle Nose		ISO R296 No.40		ISO No. 40	N.S.T 40
Spindle Speed- rpm	rpm	Inv.Var. 60-3600	Var. 90-3800	10step-60-3600	60-3600
Dis. From Spindle Nose To Table	mm(inch)	95-545 (3 3/4-21 1/2)		30-470 (1 1/4-18 1/2)	98-538 (3 7/8 x 21)
Dis. From Center Spindle To Column	mm(inch)	190-690 (7 1/3-27)		200-500 (8 ~20)	185-785(7 1/4 x 30)
Quill Feed	mm/rev.(IPR)	0.035/0.07/0.14 (0.0012/0.0027/0.0055)		0.04/0.08/0.15 (0.0015/0.0031/0.0058)	0.035/0.07/0.14 (0.0012/0.0027/0.0055)
Quill Travel	mm(inch)	140 (5 1/2)		127 (5)	140 (5 1/2)
Swivel Angle Of Head (L & R)		45°			45°
Cross Travel Of Ram	mm(inch)	500 (20)		300 (12)	600 (23 1/2)
Horizontal Rotating Angle Of Ram		360°			360°
HORIZONTAL SPINDLE		*****			
Spindle Nose		ISO R296 No. 40			N.S.T 40
Spindle Speed- rpm	rpm	9 step-65-1500		6 step-70-1320	9 step-65-1500
Dis. From Center Spindle To Overarm	mm(inch)	173 (6 3/4)		115 (4 1/2)	175 (6 7/8)
Dis. From Center Spindle To Table	mm(inch)	0-450 (0-18)		0-420 (0 - 16)	-8-432 (1 1/4-17)
MOTORS		*****			
Vertical Spindle		5HP-4P Inverter	5HP-4P	3HP-4P	5HP-4P inverter
Horizontal Spindle		5HP-4P	5HP-4P	3HP-4P	5HP-4P
Table Feed-long. And Cross		AC servo 750w	Long. 3/4HP-4P	3/4HP-4P	AC servo 750w
Rapid Vertical Feed		AC servo 850w	1 1/2HP-4P-1/10	1 1/2HP-6P-1/10	1HP-12P (AC servo 850w OPT.)
Coolant		1 1/8HP-2P			1 1/8HP-2P
NET WEIGHT	kgs (lbs)	2400 (5280)	2350 (5170)	1300 (2860)	2650 (5830)



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