



Whitelaw

ENGINEERING MACHINERY
INCORPORATED 1965



MODEL: GEVS-300A VERTICAL TURRET MILLING MACHINE WITH HORIZONTAL SPINDLE

KEY FEATURES:

- Electronic infinitely variable spindle speed via inverter with LED display
- Meehanite casting provides high strength ensuring minimal deformation
- Optional extended table 1470x300mm (1120mm X travel)
- Square ways for increased rigidity
- Hardened and ground worktable and slide ways
- Turcite "B" coated X & Y Axis slide-ways with slide way covers
- NT 40 vertical spindle taper with hardened chrome 105mm quill
- NT 40 horizontal spindle taper
- Pendant for convenient location of controls
- Head tilts $\pm 45^\circ$ left and right
- Manual quick action quill lever
- Mechanical spindle brake
- Ram travels 420mm and can rotate 360°
- Quality electrics & overload protection in an easy access enclosure
- High / neutral and low gear selection lever to maximise torque
- X-Axis feed via gearbox with adjustable micro switch feed stops
- Y-Axis infinitely variable feed via inverter, movement on ball screws
- Rapid feed to Z axis with micro switch and feed stops
- Metric dial graduations @ 0.02mm for X , Y & Z axis
- Automatic quill feed 0.035, 0.07, 0.14mm/rev
- Automatic cut off depth stop on quill
- Automatic lubrication system
- Additional E-Stop fitted to the knee for safety
- Quality Taiwanese manufacture
- 12 Months manufacturer's warranty

SPECIFICATIONS:

Table:

Table Size:	... 1270 x 300 mm (opt 1470x300mm)
T-slots:	... 16 x 3 x 80 mm
X Axis (Longitudinal) travel	... 920mm (1120) mm
Y Axis (Cross) travel:	... 380 mm
Z Axis (Vertical) travel:	... 450 mm

Feeds:

Longitudinal feed Rate:	...(6 steps) 18-320 mm/min
Longitudinal rapid feed rate:	...1040 mm/min
Cross Y Axis:	...50-2200 mm/min
Vertical rapid traverse:	...360 mm/min

Vertical Spindle

Quill travel/Dia:	...140mm/ \varnothing 110mm
Quill feeds:	...0.35/0.07/0.14/rev
Spindle taper:	...NT 40
Infinitely variable spindle speed: (H/L)	...60-3600 RPM
Spindle motor/Voltage:	...5HP/415v 50Hz 3Phase

Horizontal Spindle:

Spindle speed:	... (9 steps) 60-1440 RPM
Spindle motor/Voltage:	...5HP/415v 50Hz 3Phase



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Other:

Cross travel of ram:	...500 mm
Head tilt:	... 45° right & left
Spindle nose to table:	...95-545 mm
Spindle centre to column:	...190-690 mm
Horizontal rotation of ram:	...360°
Approximate overall height:	...2150 mm
Nett weight	... 2350 kg

STANDARD EQUIPMENT:

- 3 Axis Digital Readout integrated with the pendant
- Automatic lubrication
- Air power draw bar
- Horizontal arbor and two supports
- Coolant system
- Slide-way covers
- X axis power-feed via integral gearbox (1HP motor)
- Electronic infinitely variable Y Axis power feed
- LED work light
- Swarf tray
- Levelling pads and bolts
- Service and parts manual
- Anti-vibration mounts
- Toolbox and service tools

OPTIONAL EQUIPMENT:

- Slotting attachment & associated tooling
- Tooling package designed to your specific requirements