

HORIZONTAL MILLING MACHINE WITH VERTICAL MILLING HEAD CHESTER VANGUARD

Features:

- Universal milling machine designed for heavy-duty cutting and production use
- With vertical milling head
- Horizontal and vertical milling capability from a single machine
- Worktable with T-slots and $\pm 45^\circ$ bidirectional swivel
- NT40-taper horizontal spindle with multi-speed selection
- Motorised longitudinal feed with rapid traverse on the X-axis



Model	Vanguard
Working Surface	1050 x 240mm (1200 x 300mm optional)
T-Slots (Qty/Width)	3/16mm
T-Slot Pitch (Centres)	56mm
X-Axis Travel (Manual)	560mm (700mm optional)
X-Axis Travel (Automatic)	560mm (700mm optional)
Y-Axis Travel (Manual)	300mm
Y-Axis Travel (Automatic)	250mm
Z-Axis Travel (Manual)	420mm
Z-Axis Travel (Automatic)	420mm
Load Capacity	300kg
Table Swivel Range	$\pm 45^\circ$
Spindle	
Spindle Taper	NT40
Speed Control	6-step
Speed Range	108-1470rpm (60Hz)/90-1225rpm (50Hz)
Spindle Centre to Column	0-320mm
Drawbar	5/8" or M16
Vertical Head	
Spindle Taper	NT40 (ISO40)
Speed Control	6-step
Speed Range	90-1225rpm
Spindle Centre to Column	230mm
Spindle Nose to Table	0-410mm
Drawbar	5/8" or M16
Feed Rates	
Number of Feeds	6-step
X-Axis (Longitudinal)	21-246rpm (60Hz)/17-203rpm (50Hz)
Y-Axis (Cross)	Electric
Z-Axis (Vertical)	Electric
X-Axis Rapid Traverse	2056rpm (60Hz)
Y-Axis Rapid Traverse	Electric
Z-Axis Rapid Traverse	Electric
Motor/Type	
Horizontal Spindle Motor/Geared	2.24kW (3hp) / 3.73kW (5hp) optional
Feed Motor X Axis/Geared	0.75kW (1hp) / 1.2kW (1.5hp) optional
Feed Motor Y Axis/Electric	1A
Feed Motor Z Axis/Electric	1A
Coolant Motor	0.09kW (0.125hp)
Weight and Dimensions	
Machine Dimensions	1400 x 1300 x 1850mm
Net Weight	1200kg

Standard Accessories:

- 3 Axis Digital Readout
- 3 Axis Power Feed
- Vertical Milling Head
- LED Work Lamp
- Coolant System
- Table Guard
- Drawbar and Drawbar Wrench
- Chip Tray/Collector
- Manual Lubrication System
- Toolbox
- Operation Manual

Optional Accessories:

- Automatic Lubrication System
- Semi Universal Dividing Head
- Fully Universal Dividing Head
- Rotary Table
- Slotting Head
- Machine Vice
- Clamp Kit
- Drill Chuck
- ER Milling Collet Chuck Set
- Boring Head
- Reducing Sleeve Set
- Combination Shell End Mill Arbors
- Long Milling Arbors
- End Mill Set
- Angle Plate
- Tilting Angle Table

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.