02 / CNC MACHINE SERIES

V-Series High-Precision Vertical Machining Centers

Models: V-8 · V-866 · V-1165

A vertical machining center is the general-purpose machine in most shops: it mills faces, pockets and profiles, and it does it with a spindle that can take both roughing and finishing cuts. The V-series is built around the part of that job that decides the finish — the rigidity of the bed and the stiffness of the spindle nose.

AT A GLANCE

- Bed structure built to absorb high-G inertia
- Short-nose spindle — high rigidity, less tool wear
- Rear chip removal, three axes on high-rigidity linear rails
- 24-tool magazine with fast, stable tool change

SPECIFICATIONS

Item	V-8	V-866	V-1165
Worktable travel (X)	800 mm	800 mm	1,100 mm
Saddle travel (Y)	500 mm	600 mm	650 mm
Spindle box travel (Z)	500 mm	600 mm	650 mm
Spindle nose to table	90–630 mm	110–680 mm	100–730 mm
T-slot (slots – width x pitch)	5 – 18 x 84	5 – 18 x 72	5 – 18 x 120
Motor power	7.5 / 11 kW	11 kW	11 kW
Spindle speed	12,000 rpm	12,000 rpm	8,000 rpm
Spindle diameter	Ø140	Ø150	Ø150
Cutting feed range	1–10,000 mm/min	1–10,000 mm/min	1–10,000 mm/min
Rapid traverse (X/Y/Z)	48 m/min	36 m/min	24 m/min
Tool capacity	24	24	24
Dimensions (L x W x H)	2400 x 2150 x 2500	2600 x 2500 x 2600	3200 x 2700 x 2900

WHERE IT WINS

- Mould plates, die shoes and cavity inserts
- Machine frames, brackets and fixture plates
- Parts that need a bored hole held concentric to an outside profile
- Steel and cast iron work where rigidity, not spindle speed, sets the cycle

STANDARD FEATURES

- Bed structure designed to withstand the inertia generated at high G — stable under heavy, interrupted cuts
- Short-nose spindle with excellent rigidity: higher efficiency, less tool wear
- Three-axis rapid displacement that shortens non-cutting time
- High-stability tool change system, reducing non-processing time

Shipping FOB Shenzhen (Yantian / Shekou) · 60% deposit, balance before shipment · approx. 45 days from order · 12-month warranty · test cut and inspection at our plant before dispatch. Specifications are drawn from the published series data and may be adjusted to your part; confirm on the quotation.