07 / CNC MACHINE SERIES

LV-Series Vertical Five-Axis Machining Centers

Models: LV-856

A five-axis machining center exists for one class of work: a surface that cannot be reached by indexing three axes. Impellers, blades and propellers are the classic cases — the tool has to stay normal to a curved surface while the part turns under it.

AT A GLANCE

- Five-axis cradle machining complex surfaces
- A-axis ±120°, rated torque 259 N·m
- BT40 long-nose direct-drive spindle, Ø150
- 3 to 5 times the output of a 3-axis machine

SPECIFICATIONS

Specification	LV-856
Three-axis travel (X / Y / Z)	800 x 550 x 600 mm
Worktable size	Ø260 / Ø320 mm
Spindle specification	BT40, Ø150 long-nose direct drive
Spindle end to table surface	50–650 mm (with 200 mm riser block)
Five-axis cradle	DTR260-500
A-axis travel (tilt)	±120°
A-axis max. speed	189 rpm
A-axis rated torque	259 N·m
A-axis positioning accuracy	±8 arcsec
A-axis repeat positioning	±5 arcsec
C-axis max. speed	386 rpm
C-axis repeat positioning	±5 arcsec

WHERE IT WINS

- Impellers, blades and marine propellers
- Complex curved surfaces and contoured moulds
- Parts with undercuts or angled faces on several sides
- Work where 3-axis indexing would leave tool marks at the joints

STANDARD FEATURES

- Built for complex surfaces: impellers, blades, marine propellers and similar parts
- High precision through five-axis positioning and dimensional analysis
- High efficiency — output is typically 3 to 5 times that of an ordinary machining center on complex parts
- Flexibility: a product change needs only a new NC program, so changeover takes minutes

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.