



WEIDA

# 山东威达精工

SHANDONG WEIDA PRECISION INTELLIGENT MACHINERY CO., LTD.

## 产品领先 品牌驱动 全球经营

PRODUCT LEADERSHIP BRAND DRIVEN GLOBAL OPERATION

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VERTICAL TURNING-MILLING COMPLEX MACHINING CENTER

2025

## 性能特点 PERFORMANCE

- Two separated spindles: turning spindle and milling spindle, for composite processing. One time clamping of valve body workpiece can realize turning, milling, drilling and boring.
- A2-11 spindle unit, which is supported with two precision bearing in front, one precision bearing in back, can ensure high rigidity and accuracy for spindle axial and radial.
- High strength cast iron base adopts square box type closed structure and thin-wall, multi ribs layout, the cross-section demonstrates symmetric structure with good stability.
- Large transmission with low speed and big torque, strengthens the milling and turning capacity.
- Vertical type structure can save space and be convenient for installation and maintenance.
- Can be composed of production units for automatic manufacturing line.
- Full enclosed design with good protection, ensures machine accuracy and working life.

## 标准配置 STANDARD

- BT50-155 short nose high torque spindle unit
- 8-station famous brand servo turret
- 3MPa integrated coolant through spindle
- Turning spindle synchronous belt 1:2.5 speed reduction and torque increase

## 选择配置 OPTION

- Separate coolant through spindle
- 12-station servo turret
- Hydraulic chuck
- ZF or BF gearbox

		Main specification	Unit	VTC850
Machining range		Max. swing diameter	mm	Φ900
		Max. processing diameter	mm	Φ800
		X1 axis milling travel	mm	600
		X2 axis turning travel	mm	500
		Z axis travel	mm	900
		Distance from end face of milling spindle to end face of chuck	mm	30-930
	Distance from lower face of turning turret to face of chuck	mm	-50-850	
Turning spindle (C axis)		Spindle type	mm	A2-11
		Chuck size	mm	Φ800
		Max. spindle speed		750
		Spindle motor power		18.5/22
Milling spindle		Rated spindle torque	N.m	700/840
		Max. spindle speed	rpm	4000
		Spindle motor power	Kw	11/18.5
		Spindle bore diameter		BT50 (7:24)
Feeding system		Spindle torque (Rated/Max)	N.m	78/177
		Spindle connect method		Synchronous belt drive
		Rapid feed speed(X1/X2/Z)	mm/min	12000/12000/10000
		Cutting feed speed	mm/min	1-10000
Coolant		X/Y/Z servo motor power	kw	3/3/4
		Volumes	L/min	60
	Pressures	MPa	0.5	
Tool magazine	Arm type	Max. tool magazine capacity		16
		Spindle taper		BT50
		Max. tool diameter (full/empty)	mm	110/215
		Max. tool length	mm	350
		Max. tool weight	kg	15
		Tool change time (T-T)	s	1.55/5
	Tool selection method		Random	
Accuracy		Positioning accuracy	mm	±0.02
		Repeat positioning accuracy	mm	±0.015
		Total power capacity	KVA	50
		Dimension	mm	4800 × 2265 × 3500 (including chip conveyor)
	Machine weight	kg	10000	

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# VTC850

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