

# COMPOSITE TYPE CNC VERTICAL GRINDER

**PALMARY**  
PALMARY MACHINERY CO., LTD.

**VIG-50**



## FEATURES

- New design honeycomb type machine cast iron structure assures the best rigidity and stability.
- Equipped with 6 no. ATC (Auto Tool Change) system.
- The forced spindle lubrication system is offered.
- Reduced the machine layout for saving more space.
- For end face grinding application, the wheel spindle could swivel to 22.5 degrees for easily grinding.
- The coolant flow is isolation design from the machine bed and could reduce the heat deformation and dirt to the bed.



## COMPOSITE TYPE CNC VERTICAL GRINDER

SPECIFICATION		VIG-50
Capacity	O.D. grinding range	Ø45 ~ 400 mm
	Max. I.D. grinding length	~ Ø200: 225 mm ; Ø200 ~ : 400 mm
	Max. O.D. grinding length	400 mm
	Spindle Swivel dia.	Ø550 mm
	Max. workpiece length	450 mm
	Max. workpiece load	500 Kg
	Distance between spindle upper side to G.W.	500 mm
Grinding Wheel	G.W. speed	3000 ~ 15000 r.p.m.
	G.W. diameter	38 ~ 205 mm
	Max. linear speed	2700 m/min
	Tool holder type	HSK-E63
Work Table Size		550 mm
Work Spindle Speed (Variable speed)		20 ~ 220 r.p.m.
Traverse	X axis traverse	970 mm
	X axis speed	0 ~ 20 m/min
	X axis MPG each graduation movement	Ø0.0001, Ø0.001, Ø0.05 mm
	X axis min. setting unit	Ø0.0001 mm
	Z axis traverse	440 mm
	Z axis speed	0 ~ 20 m/min
	Z axis MPG each graduation movement	0.0001, 0.001, 0.05 mm
	Z axis min. setting unit	0.0001 mm
Motor	Spindle	5.5 Kw
	Grinding Wheel	5.5 Kw
	X axis	4 Kw
	Y axis	4 Kw
	B axis (ATC)	0.75 Kw
	Coolant pump	0.9 / 1.5 Kw
	Hydraulic pump	0.75 Kw
Power	Electricity	30 KVA
	Air	0.7 / 1800 Mpa, NL/min
Tank Capacity	Coolant tank	600 L
	Oil tank (Hydraulic system)	30 L
	Oil tank (Spindle change)	15 L
	Oil tank (Spindle cooler)	15 L
Controller	CNC	FANUC 0i-TF
Machine Size (LxWxH)		2640 x 2000 x 3300 mm
Machine Net Weight		6500 Kg



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