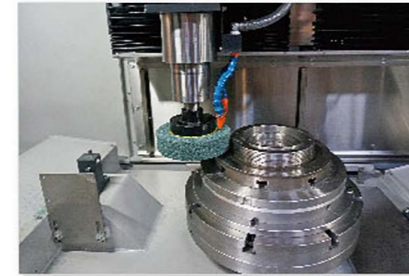


High Precision Multi Function (Vertical / Horizontal) Grinding Machine

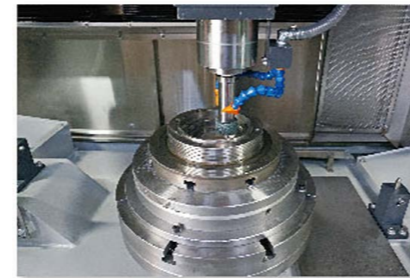
Machine Feature:

- Meehanite Class FC30 casting with slide way provides high stiffness and wear resistance maintaining the accuracy of the machine.
- Vertical Y axis uses Class 1 ball screw $\varnothing 50$ provides high stability during feeding.
- Vertical and longitudinal feeding uses high stiffness and rigidity linear roller guides made in Japan (slide block x6) provides smooth feeding but still maintain high stiffness.
- Vertical spindle Y axis uses pneumatic counterweigh to reduce ball screw and servo motor loading to make movement more smoothly and extend the use of life.
- Horizontal Spindle uses six high precision ball bearing for heavy grinding.



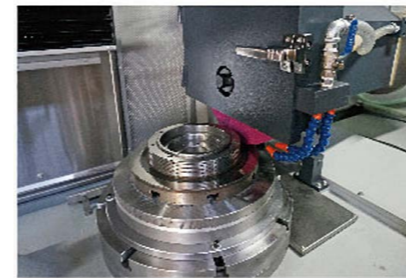
Outside diameter Spindle

It can grind the outside diameter, and also can increase the grinding efficiency for big inside diameter.



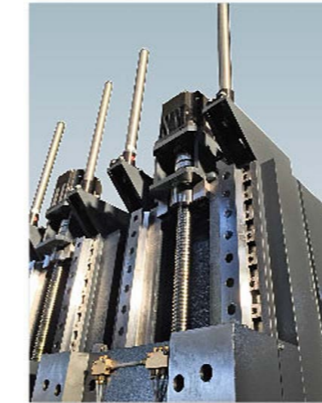
Inside diameter

High-speed spindle, can be replaced with different length grinding arbors to achieve different grinding depths.



Horizontal Spindle

It can be faster of processing efficiency for larger surface grinding.



Y axis uses rigidity linear roller guides.

- User-friendly control allows inexperienced, staff or any operators to master operation very ease.
- Simple Dialogue control only requires a size input to start grinding cycle.



MITSUBISHI (STD)



FANUC / (OPT.)



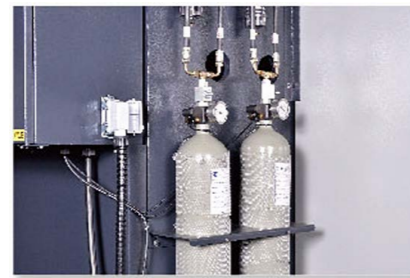
On line wheel balance system. (Manual) (OPT.)



Balance systems (OPT.)

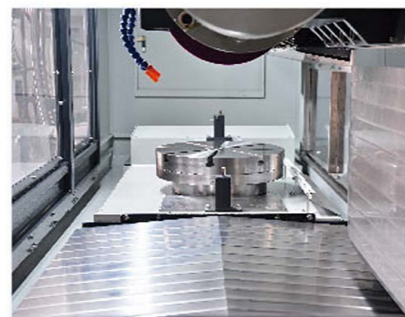
Main Processing Item

- Precision bearings
- Hydraulic components
- Precision knife
- Automotive components
- Other Precision parts



Nitrogen

Nitrogen counterweight mechanism to reduce the screw and the servo motor loading.



Excellent drainage system, easy to clean



Workpiece sample



VHR-500AND

The Picture includes special accessories.



Air-Conditioner



Adjustable operation panel

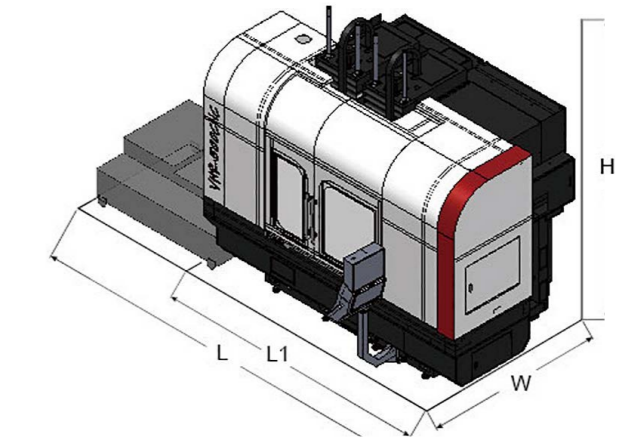
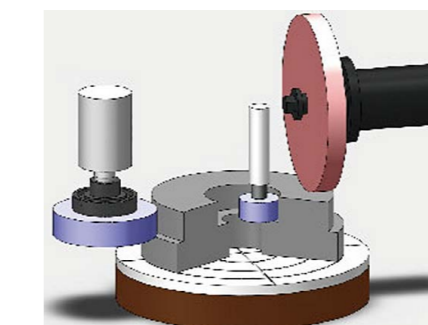


Supply oil system



Automatic trim compensation-Horizontal Spindle

Schematic View



	L(mm)	L1(mm)	W(mm)	H(mm)
VHR-500	5000	3750	3000	3400
VHR-600	5500	3850	3100	3400

VHR-500/600

Specification

DESCRIPTION			
	Table size	ø500mm	ø600mm
加工行程 (立式主軸) Processing travel (vertical spindle)	研磨內徑 Grinding inside diameter	ø60-ø450	ø60-ø550
	研磨外徑 Grinding outside diameter	Max. ø500	Max. ø600
	Table maxi grinding radius (horizontal spindle)	220mm	325mm
	Distance of table surface to spindle surface top (vertical spindle)	380mm	380mm
	Distance of table surface to spindle surface center (horizontal spindle)	500mm	500mm
	Table load	200kg	280kg
	Table speed	25-150 r.p.m	25-150 r.p.m
	Workpiece grinding height (vertical spindle)	Max. 300mm	Max. 300mm
	Workpiece grinding height (horizontal spindle)	Max. 350mm	Max. 350mm
	Horizontal spindle horse power	7.5kw(10HP)	7.5kw(10HP)
	Vertical spindle horse power (ID)	2.2kw(3HP)	2.2kw(3HP)
	Vertical spindle horse power (OD)	3.7kw(5HP)	3.7kw(5HP)
	Horizontal spindle speed 50/60Hz	1450/1750 r.p.m	1450/1750 r.p.m
	Vertical spindle speed (ID)	Max. 8500 r.p.m	Max. 8500 r.p.m
	Vertical spindle speed (OD)	Max. 4200 r.p.m	Max. 4200 r.p.m
Wheel size	Horizontal axis : dia x width x bore	Std. ø355x38x127mm Opt. ø405x50x127mm	Std. ø355x38x127mm Opt. ø405x50x127mm
	Vertical inside diameter : dia x high	Max. ø80x30mm	Max. ø80x30mm
	Vertical outside diameter : dia x high	Max. ø205x50mm	Max. ø205x50mm
	Net weight / gross weight (approx)	13200/14500kg	14000/15500kg
	Packing size (LxWxH)(mm)	5000x2300x3700mm	5500x2300x3700mm

※The manufacturer reserves right to modify the design, specification mechanisms etc. without notice.

Standard accessories



Optional accessories



High Precision Multi Function (Vertical / Horizontal) Grinding Machine



DOWELL®

GMSI Group
Machine Tools, Accessories & Abrasive Tooling

17 Town Forest Rd. - Oxford, MA 01540

Tel: 508-987-0121

info@gmsigroup.com

Fax: 508-987-0121

