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Drill Tap & End Mill Grinder

ORDER NO. VEG-300

CODE NO. 8001-001



SPECIFICATION

ORDER NO.	GRINDING CAPACITY	DIM. (MACHINE)	N.W.	G.W.	MOTOR R.P.M.
VEG-300	0.5 - 20MM; 0 - 13/16 IN	360X220X220MM	15KG	16KG	10000 R.P.M.

STANDARD ACCESSORIES

1. Prism clamp for 0.5 - 20mm 1pc
2. Grinding wheel 4pcs
3. Halongen work light 1pc
4. Open end wrench 2pcs

OPTIONAL FOR VEG-300

1. Optical system
2. Tap.End mill grind attachment (for 2-10mm&2,3,4,6,8 fluted)
3. Left - hand grind attachment (for left - hand drills & taps)
4. Diamond or c.b.n.grinding wheel:
F-0 For small drills for 0.5 - 2mm
F-1 For tap.drills form 2 - 5mm
F-2 For tap.drills form 5 - 15mm
F-3 For end mill. drill form 5 - 20mm
5. Shield guard.



Universal Cutting Tool Grinder

ORDER NO.VDG-50 CODE NO.8001-002

FEATURES

- 1.The machinery can grind drills, step drills, NC drills, taps, end mills, ball radius end mills, lathe tools, ball radius lathe tools, counter sinks, side cutters, roundbars, reamers, hobs, round cutters, etc by changing the attachments.
- 2.Double wheels. It only need to rotate the motor when want to grind the tool of different material. It can increase the safety & repairing the grinding wheel.
- 3.Adopt import & precise roll guide on the table. The table is stable and can be operated smoothly.
- 4.Adopt FC 30 cast iron with high toughness. It can keep the precision of the machine in a long time.

SPECIFICATION

- 1.Longitudinal travel of table: 230mm
- 2.Cross travel of saddle: 180mm
- 3.Vertical adjustment of wheel head: 120mm
- 4.Rotary angle of wheel headL 360°
- 5.Rotary angle of up-down spindle: 360°
- 6.Working table area: 620mmx190mm
- 7.Size of wheel: 180x25x31.75mm
120x50x31.75mm
- 8.Speed of wheel: 3600RPM
- 9.Motor:3/4HP, 110V/220V/380V
- 10.N.W./G.W.:280kgs/320kgs
- 11.Size of packing (LxWxH): 1000x850x1540mm



The main spindle of wheel head is designed three axis. The motor can be rotated 360° in horizontal plane and also can be set the incline angle & escape angle of drills easily. It can increase the grinding function & range of machinery.



Attachment For VDG-Cutting Tool Grinder

ORDER NO.VDG-50B CODE NO.8001-003

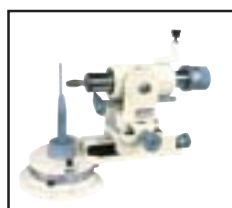
VDG-50B Drills & taps grinding attachment



- 1.Grinding capacity: $\phi 2\text{-}\phi 60\text{mm}$ (straight shank & taper shank)
- 2.The kinds of grinding tools include: drills, step drills, NC drills, counter sink, round bars, lips of end mills, etc.
- 3.Double cams: Can grind the drills from one flute to six flutes, including odd number flutes and even number flutes.
- 4.The pointangle of drills: 40°-180°
The clearance angle of drills: 0°-18°

ORDER NO.VDG-50E CODE NO.8001-004

VDG-50E R Type end mills & cutters grinding attachment



- 1.The attachment can grind end mills, ball radius end mills, ball radius lathe tools, carving cutter, etc.

ORDER NO. VDG-50F CODE NO.8001-005

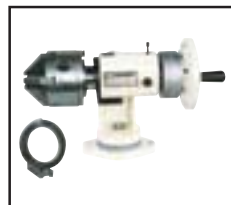
VDG-50F(60F) Lathe tools grinding attachment



- 1.This attachment is specially used for grinding general lathe tools, CNC lathe tools.

ORDER NO.VDG-50K CODE NO.8001-006

VDG-50K(60K) drills & cutters grinding attachment



- 1.Grinding capacity: $\phi 1.5\text{-}\phi 32\text{mm}$ (straight shank & taper shank)
- 2.The kinds of grinding tool include: drills, step drills, taps, side cutters, lips of end mills, round bars etc.
- 3.Double cams: The cam of grinding drills & the cam of grinding taps.

ORDER NO.VDG-50D CODE NO.8001-007

VDG-50D(60D) End mills grinding attachment



- 1.Adopts precision SC collects for the attachment, and uses special tool steel for the main spindle. It is very precise and durable owing to high frequency heat-treatment and chromium plating grinding.
- 2.The kinds of grinding tools include: end mills, side cutters, etc.

ORDER NO.VDG-50H CODE NO.8001-008

VDG-50H(60H) Tools grinding attachment



- 1.This attachment specially grinds end mills, reamers, hobs, side cutters, etc.



Universal Drill & Cutter Grinder



Double cams: The cam of grinding drills & The cam of grinding taps.



ORDER NO.	CODE NO.
VDG-32N	8001-010

FEATURES

1. Grinding capacity: $\Phi 1.5 \sim \Phi 32\text{mm}$ (Straight shank & taper shank) double wheels. It only need to rotate the motor when want to grind the tool of different material. It can increase the safety & save the time for changing & repairing the grinding wheel.
2. The kinds of grinding tool include: drills, step drills, taps, lips of end mills, round bars, etc.
3. Adopts precision 4" 6 pawl self-centering chuck, clipping one time.
It can grind the blade of drills and do the paring of drills abdomen. The angle of drills both sides and the length of the blade are the same after grinding. It can keep the accuracy of the center of drills without off center.

Longitudinal travel of table	120mm
Cross travel of saddle	135mm
Rotary angle of wheel head	360°
Point angle	90° - 180°
Size of wheel	125x50x31.75mm
Speed of wheel	3600 RPM
Motor	3/4HP, 110V/220V/380V
N.W./G.W.	90kgs / 120kgs
Size of packing (LxWxH)	800x550x670mm



Universal Drill & Tap Grinder

ORDER NO.	CODE NO.
VDG-60N	8001-011

FEATURES

1. Grinding capacity: $\Phi 2 - 60\text{ mm}$ (Straight & Taper shank)
2. Grinding tool include: drills, step drills, taps, conter sink, round bars, lips of end mills, etc.
3. Adopt the precise 6" 6 pawl chuck, clipping one time.
It can grind the blade of drills and do the paring of drills abdomen, the angle of drills and length of the blade are the same after grinding. It can keep the drill center without off center.
4. The main spindle have the grinding wheel 2pcs. The blade and center of drills can be grinded on time. It can save the time for changing the grinding wheel.
5. To clip directly the repairer of grinding wheel in the attachment and it can do the repair of grinding wheel.
6. The motor can be removed 160mm up & down, it can increase the control of the machinery.



SPECIFICATION

Longitudinal travel of table	180mm
Cross travel of saddle	160mm
Vertical adjust ment of wheel head	160mm
Rotary angle of wheel head	360°
Clearance angle	0° -180°
Point angle	40° -180°
Size of wheel	180x32x31.75mm 180x19x31.75mm
Speed of wheel	3600 R.P.M.
Motor	1/2HP, 220V / 380V
N.W / G.W.	240kgs / 290kgs
Size of packing (LxWxH)	950x1000x1540mm



Multi-Purpose Milling & Drilling Machine



**PLEASE NOTIFY THE VOLTAGE
& PHASE, WHEN
YOU ORDERING.**

SPECIFICATION

ORDER NO.			MD-30N(PF)	MD-30B(PF)	OPTIONAL ACCESS.
Drilling Capacity			32mm(1-1/4")	32mm(1-1/4")	A. Power down (spindle)feed. B. Power longitudinal (table)feed. C. Tapping switch. D. Forward & reverse switch. E. Magnetic switch. F. Emergency switch. G. Collet chuck. H. Work light. I. Cabinet stand J. 4 speed motor K. Extension column L. Clamping kits 12mm (1/2")
Tapping Capacity			3/4"	3/4"	
Face mill Capacity			76mm (3")	76mm (3")	
End mill Capacity			20mm (3/4")	20mm (3/4")	
Swing			430mm (16-15/16")	405mm (15-7/8")	
Max. distance spindle nose to table			395mm (15-9/16")	480mm (18")	
Spindle taper			MT3,R8	MT3,R8,NT30	
Spindle stroke			110mm(4-5/16")	130mm (5")	
Diameter of Spindle sleeve			62mm(2-7/16")	75mm (3")	
Head swivel			360°	360°	
Diameter of column			95mm (3-3/4")	115mm (4-1/2")	
Overall height (w/o stand)			980mm (38-9/16")	1100mm (43-1/4")	
Machine stand height			760mm(30")	760mm (30")	
Length			950mm(37-3/8")	1080mm (42-1/2")	
Width			1030mm (40-1/2")	1100mm (43-1/4")	
Motor			3/4HP-1HP	1-1/2HP-2HP	
Spindle speed (r.p.m.)	12S	50Hz	90-2150	100-2080 (4pole) (75-1685 6 pole)	
		60HZ	110-2580	120-2500 (4pole) (95-2020 6 pole)	
Standard accessories			3" cutter 1/2" chuck 3-1/2" angle vise	3" cutter 1/2" chuck 3-1/2" angle vise	
Forward and backward travel of table			165mm	175mm (7")	
Right and left travel of table			360mm	500mm(19 - 3/4")	
Working area of table 盤面尺寸			660mmx190mm (26"x7-1/2")	730mmx210mm (28-3/4"x8 -1/4")	
N.W./G.W.			175/205 kgs	270/300kgs	
Measurement			20.6Cuft	27.2 Cuft	

ORDER NO.	CODE NO.
MD-30N	8001-020
MD-30B	8001-021

QUALITY FEATURES

1. Milling, drilling, tapping boring, reamming.
2. Head swivels 360°.
3. Zero setting dials.
4. Fine downfeed - calibrated.
5. Heavy-duty tapered roller bearing spindle.
6. 12 speeds.
7. Positive spindle lock.
8. Adjustable gibs on table.
9. Adjustable stops on table.



Face Milling



End Milling



1"Drilling



Tapping



Portable Bandsaw

ORDER NO. HBS-90S

CODE NO. 8001-025

Features:

- **Cutting speed**
20, 29, 50 MPM (50Hz)
80, 120, 220 FPM (60Hz)
- **Blade size**
1/2"x0.02"x51" (12.7x0.64x1300)
- **Cutting capacity**
90°: ● 3 1/2" (90) ■ 3 1/2"x5" (90x130)
45°: ● 2 1/2" (65) ■ 3 1/2"x2 1/2" (90x65)
- **Head swivel** 0° ~ 45°
- **Motor** 1/4 hp, 50/60 Hz, 1420/1720 rpm
- **Box measurement**
3.8 cu.ft. 29 1/2"x12 1/2"x18 1/2" (750x315x470)
- **Weight** N.W. :26 kgs
G.W. :28 kgs

Optional accessories

- N.V.R switch
- BIMETAL SAW BLADE



Metal Cutting Band saw Machine

ORDER NO. HBS-125

CODE NO. 8001-026

Features:

- **Cutting speed**
20, 29, 50 MPM (50Hz)
80, 120, 220 FPM (60Hz)
- **Blade size**
1/2"x0.025"x68" (12.7x0.64x1730)
- **Cutting capacity**
90°: ● 5" (125) ■ 5"x8" (125x200)
45°: ● 5" (125) ■ 5"x5" (125x125)
- **Head swivel** 0° ~ 45°
- **Motor** 1/3 hp, 50/60 Hz, 1420/1720 rpm
- **Box measurement**
8 cu.ft. 42 1/2"x18"x17" (1080x460x430)
- **Weight** N.W. :65 kgs
G.W. :70 kgs

Optional accessories

- Quick grip vise
- N.V.R. swith
- Cylinder lifter 12mm
- Machine stand



Cylinder lifter 12mm



Workpiece stand



Metal Cutting Band Saw Machine



ORDER NO. HBS-210A

CODE NO. 8001-027

Features:

- **Miter scale** $0^{\circ} \sim 45^{\circ}$
- **Cutting speed**
40 MPM, 80 MPM
- **Cutting capacity**
 90° : ● 170 ■ 140x210
 45° : ● 125 ■ 100x125
- **Box measurement**
21.5 cu.ft. $51\frac{1}{4}'' \times 22\frac{3}{4}'' \times 30\frac{3}{4}''$ (1300x580x780)
- **Weight** N.W. :157 kgs
G.W. :171 kgs

Basic equipment

- Blade (20x0.9x2080)
- Cooling pump
- Magnetic switch 24V & CE
(HBS-210A only)
- Machine Stand
- Motor
(1 hp, 0.75kw, 400V, 50Hz, 3ph)

Optional accessories

- Cylinder lifter 14mm
- Blade tension gauge



Horizontal Band Saws



ORDER NO. HBS-7

CODE NO. 8001-030

Please notify the voltage & phase
when you ordering.

SPECIFICATION

Capacity: ● 180mm (7") ■ 180x300mm (7"x12")
Blade size : 19x0.9x2360mm (3/4"x0.032"x7' 9")
Motor : 1HP 4pole 50HZ/1430rpm; 60HZ/1720rpm.
Blade speed : 22.33.45.65mpm (86-132-178-260fpm).
Machine dim: L1470xW430mm (L58"xW17")
H990mm (39") horizontal position.
N.W: 130kgs (286LBS)
G.W: 150kgs (341LBS)



Bench Surface Grinder (Handfeed)

MINI TYPE



ORDER NO. SG-612B

Picture shown steel floor stand is optional.



ORDER NO. SG-612BC

Picture shown are standard.



ORDER NO. SG-618BC

Picture shown are standard.



Table slides on 36 precision balls.

BENCH SURFACE GRINDER (Handfeed)

Features:

1. Meehanite casting on major parts
2. Precision constructed wheel head producing extremely
3. A high performance, precision surface grinder is ideally suitable for tool room production.
4. Down feed is driven with spiral bevel gear
5. Table slides on 36 precision steel balls
6. Its high precision and economical cost more than fulfill the stringent demands of tool and die shops, or other users of hand feed surface grinder.

OPTIONAL ACCESSORIES

1. Diamond wheel dresser
2. Permanent magnetic chuck
3. Hand operated lubricator (612BE ONLY)
4. Grinding wheel balancing stand
5. Steel floor stand (612BE ONLY)

STANDARD ACCESSORIES

1. Splash guard (618BCE, 612BCE, ONLY)
2. Coolant system (618BCE, 612BCE ONLY)
3. Steel floor stand (618BCE, 612BCE ONLY)
4. Hand operated lubricator (618BCE, 612BCE ONLY)
5. Tool box with tools kit
6. Grinding wheel, wheel flange, wheel guard

MODEL DESIGNATION

"BE"Steel ball slideways

"BCE""BE" + coolant + steel floor stand
+ splash guard + hand operated lubricator

SPECIFICATION

RDER NO.	SG-618BCE	SG-612BCE	SG-612BE
DESCRIPTION			
Table Surface area	418x152mm (18"x6")	305x152mm (12"x6")	305x152mm (12"x6")
Max long. travel or table	470mm (18 ¹ / ₂ ")	320mm (12 ⁵ / ₈ ")	320mm (12 ⁵ / ₈ ")
Max cross travel of table	200mm (8")	200mm (8")	170mm (6 ¹¹ / ₁₆ ")
T-slot	12.7x19.5x610mm (¹ / ₂ "x ³ / ₄ "x24")	12.7x19.5x398mm (¹ / ₂ "x ³ / ₄ "x15 ¹ / ₂ ")	12.7x19.5x398mm (¹ / ₂ "x ³ / ₄ "x15 ¹ / ₂ ")
Grinding wheel size	178x31.7x12.7mm (7"x1 ¹ / ₄ "x1 ¹ / ₂ ")	178x31.7x12.7mm (7"x1 ¹ / ₄ "x1 ¹ / ₂ ")	178x31.7x12.7mm (7"x1 ¹ / ₄ "x1 ¹ / ₂ ")
Max.distance from table surface to spindle center	320mm (12 ¹ / ₂ ")	320mm (12 ¹ / ₂ ")	280mm (11")
Min.distance from table surface to spindle center	89mm (3 ¹ / ₂ ")	89mm (3 ¹ / ₂ ")	89mm (3 ¹ / ₂ ")
Spindle speed (50HZ / 60HZ)	2850/3600RPM	2850/3600RPM	2850/3600RPM
Vertical feed handwheel per grabuation	0.012mm (0.0005")	0.012mm (0.0005")	0.012mm (0.0005")
Cross feed handwheel per grabuation	0.025mm (0.001")	0.025mm (0.001")	0.025mm (0.001")
Spindle motor	3/4HP	3/4HP	3/4HP
Coolant pump motor	1/8HP	1/8HP	
Floor space	600x550mm (25 ³ / ₄ "x21 ¹ / ₂ ")	600x550mm (25 ³ / ₄ "x21 ¹ / ₂ ")	440x430mm (17 ¹ / ₂ "x17")
Net weight	340Kgs (1012Lbs)	310Kgs (682Lbs)	205Kgs (451Lbs)
Gross weight	460Kgs (748Lbs)	410Kgs (901Lbs)	260Kgs (572Lbs)
Packing dimensions (L X W X H)	1270x690x1520mm (54"x28"x60")	1060x690x1520mm (42"x28"x60")	1040x730x950mm (41"x29"x38")
CODE NO.	8001-041	8001-042	8001-043



Precision Surface Grinder



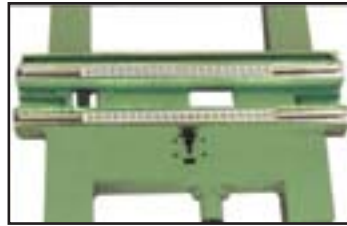
ORDER NO. SG-1A618 /1A820
SG-2A618 /2A820



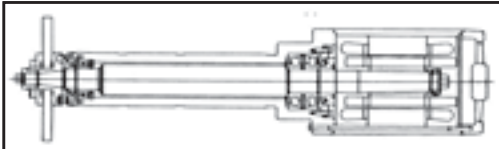
ORDER NO. SG-614
SG-618/618B
SG-818B



Adjustable leadscrew's Nut



Steel Ballways



Precision grinding spindle



Double V slideways



ORDER NO. SG-3A618
SG-3A820

Machine Features

- The main parts of the machine such as base, column & saddle are made of "MEEHANITE" castings which are stress released by annealing to ensure stable rigidity & high accuracy and to extend machine life.
- **Cross slideways adopts "double Vees"** to ensure the best accuracy.
- Both longitudinal & cross slideways are precisely handcrafted and coated with Turcite -B for smooth movement and ever low wearing .
- The automatic lubrication system is furnished as standard to provide ample lubrication on all slideways and leadscrews enabling a smooth movement so as to minimize wearing possibility.
- The spindle is directly coupled with V-3 motor which ensures high spindle run out accuracy of 0.002mm.
- Longitudinal/ cross slideways are made by full-support design to offer the high precision during movement.
- Elevating movement is driven on V-type slideways, the backlash can be adjusted to match the precise movement between leadscrew & worm gear .The drive shaft is strongly supported by two bearings for smooth running and noise free.
- The precision cartridge spindle, greased & free of maintenance, is incorporated with 4 pieces of preloaded class 7 (P4) super precision angular contact ball bearing for heavy grinding.



Specification For Surface Grinder

B:Ball Slideways
1A:Long. Hydraulic Traverse
2A:1A+Motorized Cross Feed

SPECIFICATON

DESCRIPTION		ORDER NO.	SG-614	SG- 618B 618	G-818B	SG- 1A618 2A618
General Capacity	Table size		150 x 355mm (6x14")	150 x 457mm (6x18")	200 x 457mm (8x18")	150 x 457mm (6x18")
	Max.grinding length		375mm (14-3/4")	475mm (18-3/4")	475mm (18-3/4")	475mm (18-3/4")
	Max.grinding width		160mm (6-1/3")	160mm (6-1/3")	200mm (8.6")	160mm (6-1/3")
	Distance from table surface to spindle center		420mm (16.5")	420mm (16.5")	410mm (16")	415mm (16.3")
Longitudinal Movement	Manual travel		380mm (15")	480mm (18-7/8")	485mm (19")	485mm (19")
	Hydraulic traverse		—	—	—	480mm (18-15/16")
	Table speed (infi variable)		—	—	—	1-25M/min
Cross Movement	Manual travel		170mm (6.7")	176mm (6-15/16")	230mm (9")	180mm (7")
	Rapid traverse (2A/3A/AD)		—	—	—	1200mm/min
	Auto increment feeds (2A/3A/AD)		—	—	—	0.15-7.5mm
	Handwheel per graduation		0.02mm (0.001")	0.02mm (0.001")	0.02mm (0.001")	0.02mm (0.001")
	Handwheel per revolution		5mm (0.2")	5mm (0.2")	5mm (0.2")	5mm (0.2")
Vertical Downfeed	Rapid traverse (3A)		—	—	—	220mm/min (9"/min)
	Auto downfeed (AD)		—	—	—	0.001-0.099mm (0.00003"-0.004")
	Handwheel per graduation		0.005mm (0.0002")	0.005mm (0.0002")	0.005mm (0.0002")	0.005mm (0.0002")
	Handwheel per revolution		1mm (0.05")	1mm (0.05")	1mm (0.05")	1mm (0.05")
Grinding Wheel	Wheel size (dia x width x bore)		180x16x32mm (7x2/3x1-1/4")	205x13x31.75mm (8x1/2x1-1/4")	205x13x31.75mm (8x1/2x1-1/4")	205x13x31.75mm (8x1/2x1-1/4")
	Spindle speed (60HZ/50HZ)		3600/3000rpm	3600/3000rpm	3600/3000rpm	3600/3000rpm
Motors	Spindle motor		1HP (1.5/2HP opt)	1.5HP (2HP opt)	2HP (3HP opt)	1.5HP (2HP opt)
	Cross feed motor (2A/3A/AD)		—	—	—	1/6HP
	Elevating motor (3A/AD)		—	—	—	1/4HP
	Hydraulic motor		—	—	—	1HP
Weight			560kgs (1232lbs)	780kgs (1716lbs)	900kgs (1980lbs)	885kgs (1974lbs)
Packing Size	Length x width x height		1300x1150x1980mm (52"x45"x78")	1400x1040x2000mm (55-1/8"x40-15/16"x78-3/4")	1600x1250x1980mm (63"x49"x78")	1600x1150x1980mm (63"x45"x78")
AD Packing	Length x width x height		—	—	—	1970x1430x2100mm (618AD)
CODE NO.			8001-050	8001-051 8001-052	8001-053	8001-054 8001-055

NOTE:We reserve the right to modify the specs of this brochure without prior notice.

OPTIONAL ACCESSORIES

- 1.Electromagnetic chuck
- 2.Permanent mag. chuck
- 3.Inclinable permanent magnetic chuck
- 4.Dust collector
- 5.Coolant system
- 6.Coolant & dust unit
- 7.Diamond dresser
- 8.Splash guard
- 9.Balancing stand
- 10.Chuck control with auto demagnetizer
- 11.Spare wheel flange
- 12.Halogen lamp
- 13.Radius forming attachment
- 14.Precision vise
- 15.Punch former
- 16.Digital read out

STANDARD ACCESSORIES

- 1.Grinding wheel with flange
- 2.Wheel extractor
- 3.Wheel wrench
- 4.Balancing arbor
(1A/2A/3A/AD SERIES ONLY)
- 5.Auto lube system
- 6.Tool box with adjusting tools
- 7.Levelling screws with blocks
- 8.Operation manual with parts list



Geared Head Milling & Boring Machine (Double Dovetail Slidway)



GEM-450G

ORDER NO.	CODE NO.
GMB-450G	8001-060
GMB-500GII	8001-061

STANDARD ACCESS.

1. Drawbar
2. Chuck arbor
3. Tool box & tools
4. Levelling base
5. Forward / reverse switch (for GEM-450G 6 steps).
6. HI/LOW switches (two speed motors for GEM-500GII 12 steps).

FEATURES

1. Available for drilling, milling tapping etc.use.
2. Steel plate machine stand & chip tray.
3. Z-axis manual memory feed.
4. Geared head can be titled 90° R & L each.

OPTIONAL ACCESS.

1. Table power feed
2. 4" machine vise
3. 6" machine vise
4. 52pcs clamping kit
5. 5pcs collet chucks
6. 7pcs collet chucks
7. Drill chucks (13mm)
8. NT30 spindle taper
9. Rapid feed of Z axis
10. CE standard
11. Tapping function
12. Cooling system
13. Hand lubricator
14. Two speed motors for GEM-450G
15. 1-1/2HP (GEM-450G) on request
2HP (GEM-500GII) on request
16. Halogen working lamp

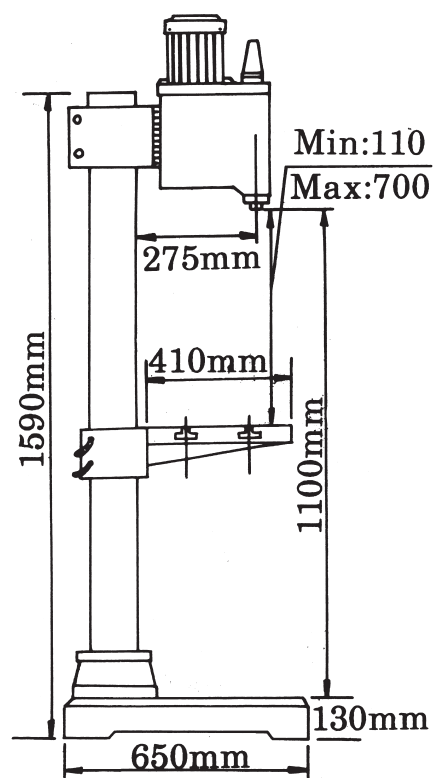
SPECIFICATIONS

Unit: mm

ORDER NO.	B-500GII	
1. Working Table		
Table surface	210x730	240x820
Movement & range (XxYxZ)	430x285x450	530x350x460
2. Vertical Spindle		
Spindle taper	MT#3 or R-8	MT#3 or R-8
Quill dia	ø75	ø75
Spindle speed	50 ~ 1250rpm (50HZ) 60 ~ 1500rpm (60HZ)	50 ~ 2500rpm (50HZ) 60 ~ 3000rpm (60HZ)
Quill travel	120	120
Spindle nose to table	450	460
Spindle swivelling angle (L & R)	±90°	±90°
3. Motors		
Spindle power	1HP	1-1/2HP
Rapid feed of Z axis	1/4HP Gear motor (OPT.access)	
Coolant pump motor	1/8"HP (OPT.access)	
Measurement (w. stand)	870x890x1920	1050x980x1875
N.W./G.W.	400kgs/435kgs	650kgs/ 690kgs



GEM-500GII



SPECIFICATIONS

ORDER NO.		GMB-400GS	ACCESSORIES
DRILL CAPACITY	CASTING	40mm(1-9/16")	STANDARD ACCESSORIES 1.CHUCK ARBOR 2.TOOL & TOOL BOX 3.FORWARD/REVERSE SWITCH
	STEEL	32mm(1-1/4")	
SPINDLE TAPER		MT#3 OR R- 8	
SPINDLE NOSE TO BASE		1100mm	
SPINDLE NOSE TO TABLE		700mm	
COLUMN DIA.		ø115mm	OPTIONAL ACCESSORIES 1.4"SWIVEL VISE 2.6"SWIVEL VISE 3.52PCS CLAMPING KITS (M12) 4.13mm CHUCK 5.CABINET STAND & CHIP TRAY FOR GEM-400GD 6.TWO SPEEDS MOTOR & SWITCH 2P/4P.3PH 7.CE STANDARD (REQUIREMENT AS FIG SHOWN) 8.TAPPING FUNCTION 9.COOLANT SYSTEM 10.1.5HP ON REQUEST
QUILL DIA.		ø75mm	
QUILL TRAVEL		120mm	
SWING		550mm	
HEAD TILTING		90°R& L	
HEAD SWIVEL		360°	
MAIN MOTOR		0.75PS. 1HP	
SPINDLE SPEEDS	50HZ	50,100,170,370,1250RPM(4P)	
	60HZ	60,120,200,450,850,1500RPM(4P)	
TABLE SURFACE		410x450mm	
MACHINE HIGHT		1860mm	
T-SLOT SIZE		14mm	
N.W./G.W.		290KGS/305KGS	
MEASUREMENT		740x540x1955m/m	
BASE SIZE		450x650m/m	

FEATURES

- 1.Available for drilling,Tapping etc.
- 2.Gear head can be tilted 90° R & L each.
- 3.Gear head can be swivelled 360° .
- 4.Spindle stroke:120mm
- 5.Drill capacity:32mm (steel).
40mm (casting iron).
- 6.Quickly assembled cabinet
stand & chip tray ,for GEM-400GD
(option).
- 7.Available CE standard as fig. show.
Electrical control system
protecting guard.



Vertical Band Sawing Machine



Y- 310



Y- 360



Y- 400



Y- 500

Machine features

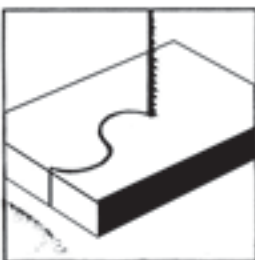
Metal scroll saw is precisely constructed, easy to operate, providing quick and stable sawing. High accuracy performance assures even sawed surfaces, saving much on saw band. With wide processing area and strong sawing power, most of our machine models are suited for iron works and mold - making factories.

ORDER NO.	Y-310	Y-360	Y-400	Y-500
Cutting Capacity	220mm	240mm	350mm	320mm
Throat Depth	304mm	354mm	404mm	504mm
Saw Blade Width	13mm	13mm	16mm	19mm
Saw Blade Length	2550mm	2775mm	3410mm	3930mm
Four- Step Speeds	33,58,90,140rpm	33,58,90,140rpm	20,36,40,58,72,82,116,164rpm	20,36,40,58,72,82,116,164rpm
Drive Motor	4px375W 1HP	4Px375W 1HP	8Px1HP 4P x2HP	8Px1HP 4P x2HP
Emery Wheel Motor	1/8HP	1/8HP	1/8HP	1/4HP
Welding Capacity	1.2KVA	1.2KVA	2.0KVA	5.0KVA
Table Area	F.b-10° R.L-15°	F.B -10° R.L-15°	F.B -10° R.L-15°	F.B -10° R.L-15°
Net Weight	200kgs	250kgs	450kgs	550kgs
Table Area	475x385mm	540x420mm	560x510mm	620x580mm
Dimensions	900x600x1530	970x600x1580	1130x800x1900	1280x920x1970
CODE NO.	8001-070	8001-071	8001-072	8001-073

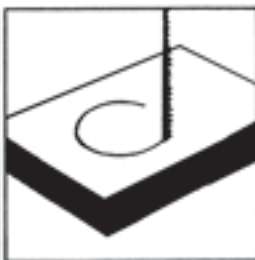
The applications of the band saw



Straight Line Cutting



Wavy Line Cutting

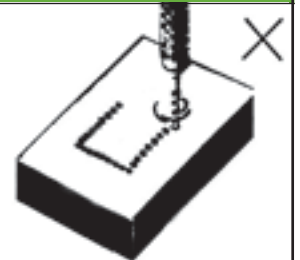


Circular Cutting

Why use methods like these?



Slow and difficult to operate



Bad sawing effect



Air Die Grinder

AIR INLET 1/4"
AIR PRESSURE 90 PSI

DIY type **ORDER NO. VAG-500**
Economic type **ORDER NO. VAG-601A**



1. Clean The Air For The Grinder.
2. Fixed Type Collet Chuck: Ø3.0mm Is Standard. Ø2.38mm & Ø3.175mm Collet Are Available Upon Your Request. Put Into 10 C.C. From The Air Inlet Hole Twice Daily.
3. It's Warm When It's Working.
4. Reliable Quality And Economic Price.

DER NO.	COLLET SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-500	3mm, 3/32", 1/8"	54,000 R.P.M.	130g	150mm	8001-099
O.	COLLET SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-601A	3mm, 3/32", 1/8"	54,000 R.P.M.	130g	150mm	8001-100

Strong & silent type



1. Replaceable collet chuck: ø3.0mm is standard. ø2.38mm and ø3.175mm collet are available upon your request.
2. High-torque, quite-running and well balance.
3. Ideal for precision grinding and finishing works.

NO.	COLLET SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-701	3mm, 3/32", 1/8"	70,000 R.P.M.	130g	150mm	8001-101

Dual-collet type



1. Dual collet chuck: ø3.0mm and ø6.0mm are standard. ø3.175mm and ø6.35mm collet are available upon your request.
2. High torque, heavy-duty, general-purpose applicable on debarring, chamfering, milling and finishing the welded surface etc.

ORDER NO.	COLLET SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-609	3mm, 6mm	35,000 R.P.M.	350g	175mm	8001-115

Angle 45° type



Angle 45°, suitable for angle debarring and grinding.

RDER NO.	WHEEL SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-8241	ø30mm	23,000 R.P.M.	300g	160mm	8001-116



Air Grinder

Economic type



1. Fixed type collet chuck: $\varnothing 6.0\text{mm}$ is standard. $\varnothing 6.35\text{mm}$ collet is available upon your request.
2. Reliable quality and economic price.

DER NO.	COLLET SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-604	1/4", 6mm	22,000 R.P.M.	600g	175mm	8001-117

Strong & silent type



1. Replaceable collet chuck: $\varnothing 3\text{mm}$ $\varnothing 6\text{mm}$ are standard. $\varnothing 6.35\text{mm}$ collet is available upon your request.
2. High-torque, quite-running and well balance.
3. Ideal for precision grinding and finishing works.

O.	COLLET SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-605	6mm, 1/4"	25,000 R.P.M.	520g	150mm	8001-118

Angle 90° type



1. $\varnothing 1\ 1/2"$ or $\varnothing 2"$ rubber pad with quick change abrasive are additional options. (extra charge)
2. High torque, heavy-duty, general-purpose applicable on deburring, chamfering, milling and finishing the welded surface.
3. 2" grinding wheel is standard.

	PAD SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-8242	50mm	16,000 R.P.M.	520g	175mm	8001-119

4" Angle Grinder



Angle 90°, suitable for angle debarring and grinding.

	WHEEL SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-932	10mm. (4")	11,000 R.P.M.	1350g	175mm	8001-120



Air file



1. Also suitable for shoes, molds, and wooden processes.
2. Can grind metals. Especial suitable for narrow parts or groove bases & sides.

R NO.	COLLET SIZE	SPEED		WEIGHT	LENGTH	CODE NO.
VAG-318	6mm	3,700 cycle / Min	9mm	1,000g	175mm	8001-121

Finger sander



1. It can make possible the speedy and beautiful finishing, so far deemed impossible, of the corners and complicated curves.
2. Can provide with not only the smooth and high-speed eccentric rotation movement common to all the finger sanders, but also the easy replacement of the attachments without the need of using any specific tools.

DER NO.	SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-F30	Abrasive: W20mm	13,000 R.P.M.	830g	200mm	8001-122

Belt Sander



1. For sanding curved surfaces, flat surfaces.
2. For removing spot welding, semi & automatic welds, adhesive, paint, and other coating in concave places.

	SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-310	10 x 30 (mm)	16.000 R.P.M.	800g	290mm	8001-123

Belt Sander



1. For sanding curved surfaces, flat surfaces.
2. For removing spot welding, semi & automatic welds, adhesive, paint, and other coating in concave places.

	BELT SIZE	SPEED	WEIGHT	LENGTH	CODE NO.
VAG-320	20 x 520 (mm)	16.000 R.P.M.	1100g	360mm	8001-124



Grinding Tools For Air Grinder

Emery Wheel

1. The shank size is $\varnothing 3.0$
2. The wheel size is $\varnothing D$
3. The minimum quantity is 1000 pcs / each

ABRASIVE MOUNTED POINTS



ORDER NO.	WA-303A	WA-304A	WA-305A
ØD	3mm	4mm	5mm
CODE NO.	8001-131	8001-132	8001-133

ORDER NO.	WA-306A	WA-308A	WA-310A
ØD	6mm	8mm	10mm
CODE NO.	8001-134	8001-135	8001-136

FELT BOBS



ORDER NO.	WF-304	WF-305	WF-306
ØD	4mm	5mm	6mm
CODE NO.	8001-137	8001-138	8001-139

ORDER NO.	WF-308	WF-310	WF-312
ØD	8mm	10mm	12mm
CODE NO.	8001-140	8001-141	8001-142

RUBBERIZE POINTS

120GRIT



ORDER NO.	WR-303	WR-304	WR-305
ØD	3mm	4mm	5mm
CODE NO.	8001-143	8001-144	8001-145

ORDER NO.	WR-306	WR-308	WR-310
ØD	6mm	8mm	10mm
CODE NO.	8001-146	8001-147	8001-148

RESINOID POINTS

120GRIT



ORDER NO.	WE-303	WE-304	WE-305
ØD	3mm	4mm	5mm
CODE NO.	8001-149	8001-150	8001-151

ORDER NO.	WE-306	WE-308	WE-310
ØD	6mm	8mm	10mm
CODE NO.	8001-152	8001-153	8001-154

PUBBER PAD

Ø30mm



ORDER NO. WF-30P
CODE NO. 8001-155

PAPER DISC

Ø30mm
GRIT100
150 PCS/BOX



ORDER NO. WF-30S
CODE NO. 8001-156

CUP WHEEL

Ø30mm
GRIT100
48 PCS/BOX



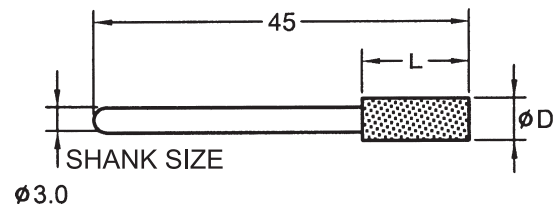
ORDER NO. WF-30C
CODE NO. 8001-157



Grinding Tools For Air Grinder

ORDER NO. WG-30D
CODE NO. 8001-160

Diamond mounted points (3.0 shank)



Grit size: $\phi 2.0$ - $\phi 5.0$ is 120# $\phi 1.0$ - $\phi 1.5$ is 150#.

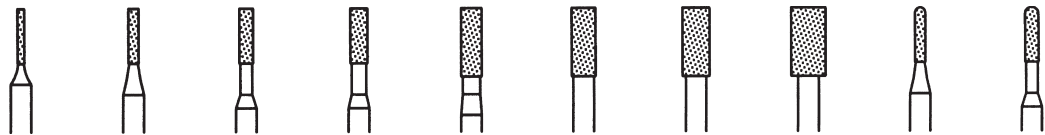
one set including all point each one, total is 30 pcs/set.

WG-30D: 30pcs / set
(set in $\phi 3.0$ mm shank)

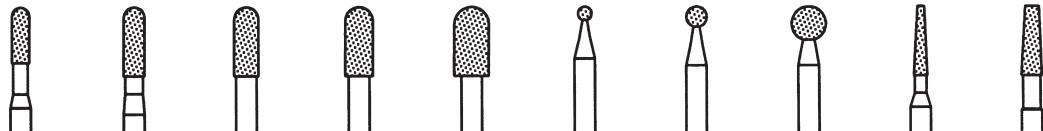
WG-30D-I: 30pcs / set
(set in $\phi 1/8$ " shank)

30 PCS ASSORTMENT SET: CONTAINS ONE EACH OF ABOVE POINTS.

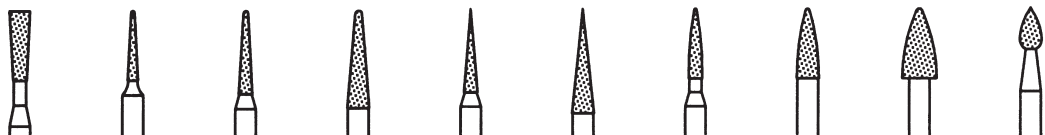
Unit:mm



ORDER NO.	10A	15A	20A	25A	30A	35A	40A	50A	15C	20C
ϕD	$\phi 1$	$\phi 1.5$	$\phi 2$	$\phi 2.5$	$\phi 3$	$\phi 3.5$	$\phi 4$	$\phi 5$	$\phi 1.5$	$\phi 2$
L	8	8	8	8	10	10	10	10	8	8
CODE NO.	8001-161	8001-162	8001-163	8001-164	8001-165	8001-166	8001-167	8001-168	8001-169	8001-170



ORDER NO.	25C	30C	35C	40C	50C	20B	30B	50B	20T	30T
ϕD	$\phi 2.5$	$\phi 3$	$\phi 3.5$	$\phi 4$	$\phi 5$	$\phi 2$	$\phi 3$	$\phi 5$	$\phi 2$	$\phi 3$
L	8	10	10	10	10	-	-	-	10	10
CODE NO.	8001-171	8001-172	8001-173	8001-174	8001-175	8001-176	8001-177	8001-178	8001-179	8001-180



ORDER NO.	30V	15R	20R	30R	20P	30P	20F	30F	50F	30S
ϕD	$\phi 3$	$\phi 1.5$	$\phi 2$	$\phi 3$	$\phi 2$	$\phi 3$	$\phi 2$	$\phi 3$	$\phi 5$	$\phi 3$
L	10	10	12	14	12	15	10	10	10	6
CODE NO.	8001-181	8001-182	8001-183	8001-184	8001-185	8001-186	8001-187	8001-188	8001-189	8001-190



Magnetic De-Burring & Polishing Machine

Features:

- It is the special Grinder for de-burr, polish and clean light and precision spare parts of watch, computer, electron, machinery...etc, such as material of steel, stainless steel, brass, copper, aluminum, hard-plastic., and jewelry of gold, k-gold, platinum, silver...etc.
- Fine finish for delicate articles and perfect result. Never hurt the face, change the form, change the accuracy or loss the weight of articles after ground.
- Can be de-burr the hole, crevice of articles. Resolved the problems as you met before.



Applications:

- Designed for small quantity of parts.
- Table type model, safe and convenient.
- Suitable for deburring and polishing brass, copper, aluminum, gold, silver...etc soft material

Operation Plate:

- 1.Power
- 2.60 minute timer



ORDER NO.	DIMENSION	TANK SIZE	POWER	STANDARD ACCESSORIES	N.W.	CODE NO.
VDB-716	L x W x H 270x225x295 (mm)	L x W 160x160 (mm)	220/110VAC (50Hz/60Hz) 2A single phase	1.Rotarier. 2.Containers. 3.Separating container. 4.Magnetic sleeve. 5.Stainless pins/1kg 6.Grinding liquid/1 Liter 7.Operation manual.	16kgs	8001-201



Applications:

- Designed for medium quantity of parts.
- Fully automatic. One person can run multiple machines.
- Suitable for non-magnetic metal parts.

Operation Plate:

- 1.Power
- 2.Start
- 3.Stop
- 4.Counterclockwise timer
- 5.Clockwise timer
- 6.Monitor of finished cycle and error direction
- 7.Speed adjustment



ORDER NO.	DIMENSION	TANK SIZE	POWER	STANDARD ACCESSORIES	N.W.	CODE NO.
VDB-728	L x W x H 490x490x860 (mm)	L x W 280x280 (mm)	220VAC (50Hz/60Hz) 5A single phase	1.Rotarier. 2.Containers. 3.Separating container. 4.Magnetic sleeve. 5.Stainless pins/2kg 6.Grinding liquid/2 Liter 7.Operation manual.	65kgs	8001-202



Applications:

- Designed for large quantity of parts.
- Fully automatic. One person can run multiple machines.
- Suitable for all types of metal parts.

Operation Plate:

- 1.Power
- 2.Start
- 3.Stop
- 4.Counterclockwise timer
- 5.Clockwise timer
- 6.Monitor of finished cycle and error direction
- 7.Speed adjustment
- 8.Finished cycle alarm
- 9.Finished cycle light



ORDER NO.	DIMENSION	TANK SIZE	POWER	STANDARD ACCESSORIES	N.W.	CODE NO.
VDB-735	L x W x H 640x625x865 (mm)	L x W 420x380 (mm)	220VAC (50Hz/60Hz) 10A single phase	1.Rotarier. 2.Containers. 3.Separating container. 4.Magnetic sleeve. 5.Stainless pins/4kg 6.Grinding liquid/4 Liter 7.Operation manual.	100kgs	8001-203



Magnetic De-Burring & Polishing Machine

Diagram of principle for Magnetic De-burring & Polishing Machine

1.Lid

2.Magnetic media (stainless pin)

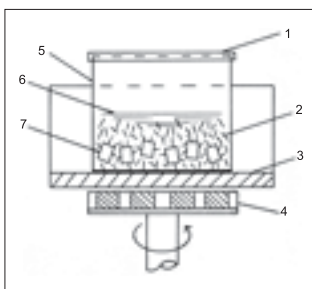
3.Top plate

4.Magnetic disc

5.Container

6.liquid and water level (1/ 100)

7.Work-piece



work-piece are tumbled together with the magnetic media through the rotation of the magnets below the non-magnetic top plate, which causes violent agitation of the magnetic field.



SS304 STAINLESS PIN

SPECIFICATION OF MAGNETIC MEDIA (STAINLESS PIN)

Dmm x Lmm	0.2x5	0.3x5	0.5x5	0.7x5	1.0x5	1.2x5
-----------	-------	-------	-------	-------	-------	-------

Function of liquid:

For avert rustiness,
cool and clean.

Rate of liquid/water:1/100

GRINDING LIQUID	
ORDER NO.	VDB-233A
Material	Stainless, steel Brass, copper Gold, silver platinum
CODE NO.	8001-300

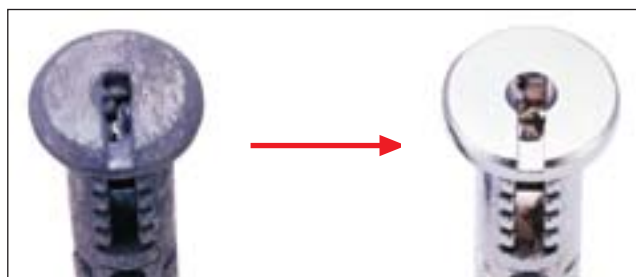


Grinding liquid/ Magnetic media
(Stainless pin)

OPERATIONS

- 1.Put the magnetic media (stainless steel pins) in the container, the quantity of magnetic media is around 0.5cm to 1cm from the bottom of the container.
- 2.Put work-Piece in the container, the principle of quantity as does not put the work-piece overlap.
- 3.Put the liquid with 100 times of water in the container. The liquid with water should be cover the workpiece and over 2--3cm.
- 4.Placed the lid of container and put the container on the top plate of the grinder for begin to grind.
- 5.The grinding time and the quantity of work-piece should be depend on the result which you need after test several times. Please make note for next time when you want to grind same work-piece.
- 6.There are two size of container, so if you want to grind the work-piece just few quantity, the small one will be much better.

EXAMPLE



parts



Jewelry





Portable Band Saw Machine

FOR METAL AND NON-METAL



It's Only 17.5 kgs weight for easy and practical transport. Solid and stable foundation with vise made of cast iron. Single-phase motor: free of vibration, strong power, silent. Free of lubrication, durable and quick changeable cobalt, blmetal sand blade.

R NO.	CODE NO.
VBS-1000	8001 - 400

Variable speeds: 40
untill 88 m/minute.

- With electronic variable speed.

Features

- From 0 to 45 degree a justable cutting angle

- Motor =5.0A

Technical data:

- Cutting capacity
90 degree round 85mm
rectangle 85 × 105mm

- Cutting capacity
45 degree round 70mm
rectangle 65 × 75mm

- Blade size
1325 × 13 × 0.65mm
1000 watt

- Motor 120V 60Hz
220V-240V 50-60Hz

- N.W.
17.5 kgs

	CODE NO.
VBS-1000A	8001 - 401

One high speed,
88m/minute.

- One high speed.

OPTION ACCESSORY



WORK TABLE KIT

RDER NO.	CODE NO.
VBS-1000S	8001 - 402



Precision Drill Grinder

ORDER NO. VDG-13
CODE NO. 8001-012
ORDER NO. VDG-20
CODE NO. 8001-013
ORDER NO. VDG-25
CODE NO. 8001-014



HOLDER UNIT
FOR COLLET & DRILL



INDICATOR
THE NUMBER FOR
DRILL DIAMETER



COLLET SHEATH

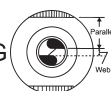
Ⓒ GRINDER STOCK
FOR DRILL CENTER POINT

DIAMOND WHEEL COVER

⒱ GRINDER STOCK
FOR DRILL WEB

ANGLE INDICATOR 118°~135°
FOR CENTER POINT ANGLE

CHECKING STOCK
FOR SET THE DRILL OF LENGTH
& THE WEB BLADE PARALLEL
WITH THE SLOT OF CLAMPING
HOLDER.



For Drill Resharping

Precision, Efficient, Easy Operation, Reasonable Price, Fast

1. High Efficiency, High Quality Grinding Slip, Good Grinding Results
2. Quality Assurance
3. Easy Operation, For Urgent Need
4. Considerable Design, Invisible Tool Box, Delicate & Friendly Use
5. Peerless, Super Function, Durable

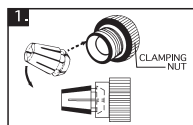
ORDER NO.	COLLET TYPE	COLLET Q'TY	MAX. DIA
VDG-13	ER-20	11pcs	Ø13
VDG-20	ER-32	13pcs	Ø20
VDG-25	ER-40	14pcs	Ø25

DRILL DIAMETER	φ 2.0~φ 13.0	NET WEIGHT	AC-110:8.5kgs AC-220:9.5kgs
CENTER POINT ANGLE	118°~135°	OVERALL DIMENSIONS	W282 x D185 x H110 mm
POWER SUPPLY	AC-110 or 220 1PH	STANDARD ACCESSORIES	ALLOY STEEL COLLET ER-20 COLLET x 11pcs Ø3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, EACH ONE
R.P.M. OF MOTOR	5100 R.P.M.		COLLET Holder x 1 unit
GRINDING WHEEL	CBN #200		4mm Hexagon wrench x1 pcs for change wheel

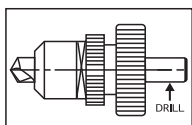
Optional

Alloy Steel Collet:ER-20, Ø3.5, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5, 10.5, 11.5, 12.5

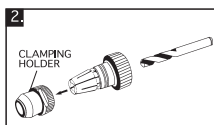
A. HOW TO USE HOLDER UNIT FOR COLLET & DRILL



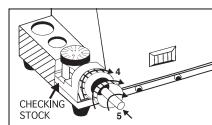
COLLET MUST BE ASSEMBLED
INTO THE CLAMPING NUT WITH
45° ANGLE, (BEFORE INSERTING
INTO THE CLAMPING HOLDER)



HOLDER UNIT



1. INSERT THE DRILL INTO THE COLLET
2. PUT THE CLAMPING NUT INTO THE
CLAMPING HOLDER

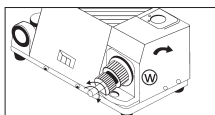


1. FIND THE DRILL DIAMETER.
2. SET THE INDICATOR OF SCALE NUMBER IS SAME AS DRILL DIAMETER.
3. PUT THE HOLDER UNIT INTO THE CHECKING STOCK. THE SLOT OF CLAMPING UNIT WILL MATCH INTO THE PIN OF CHECKING STOCK.
4. TURN HOLDER UNIT TO RIGHT.
5. PUSH THE DRILL TO TOUCH THE CHECKING STOCK. AND TURN THE DRILL TO RIGHT. THEN THE CLAMPING NUT TIGHTEN TO THE DRILL.

NOTE: MAKE SURE THAT THE WEB BLADE OF DRILL IS
PARALLEL WITH THE SLOT OF CLAMPING
HOLDER.

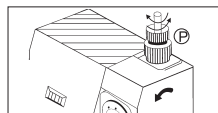
6. AFTER HAVING TAKEN OUT THE HOLDER UNIT.

C. HOW TO GRIND THE WEB OF DRILL



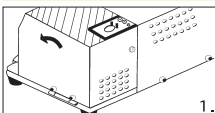
1. TURN ON THE POWER.
2. PUT THE HOLDER UNIT INTO THE GRINDER STOCK. THE SLOT MATCH WITH THE PIN AND LET THE DRILL REACH THE DIAMOND WHEEL CAREFULLY.
3. GRIND THE DRILL BY MOVING LEFT AND RIGHT TO SHARPEN. UNTIL THE GRINDING VOICE IS DISAPPEAR.
4. TAKE THE HOLDER UNIT TO THE OTHER SIDE TO GRIND THE OTHER SIDE WEB, BLADE, GRIND THE DRILL WITH THE SAME AS 3. WAY.

D. HOW TO GRIND THE CENTER POINT OF DRILL



1. TURN ON THE POWER.
 2. PUT THE HOLDER UNIT INTO THE GRINDER STOCK THE SLOT MATCH WITH THE PIN.
 3. MOVE THE LEFT AND RIGHT WAY TO SHARPEN.
 4. TURN 180° OF HOLDER UNIT TO GRINDING THE OTHER SIDES WITH THE SAME WAY.
- NOTE:** UNDER Ø3 DRILL NO NEED TO GRIND THE CENTER POINT.

E. HOW TO CHANGE THE DIAMOND WHEEL



1. TAKE OUT THE DIAMOND WHEEL COVER.
2. TURN OUT THE SCREW ON THE CENTER OF DIAMOND WHEEL.



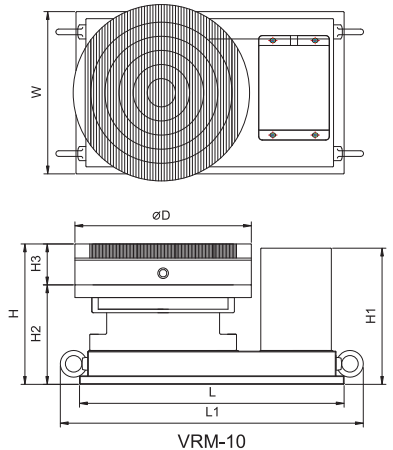
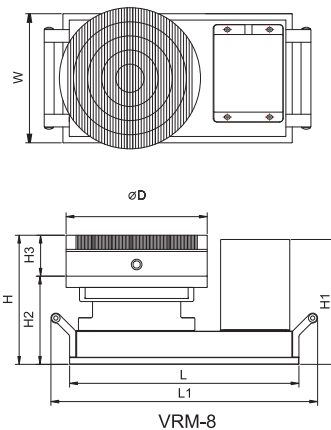
Variable Speed Rotary Magnetic Chuck



**VOLTS 220V, 50/60HZ
SINGLE PHASE**

**MAX. LOAD WIGHTS
VRM-8 IS 18 KGS
VRM-10 IS 25 KGS**

**ADJ. ROTARY SPEED
VRM-8 15-150 RPM
VRM-10 10-100RPM**



ORDER NO	L	L1	W	H	H1	H2	H3	ØD	VOLT	G.W.	CODE NO.
VRM-8	325	378	183	182	177	124	58	200	220V	57kg	8001-047
VRM-10	376	437	230	200	193	141	58	250	220V	75kg	8001-048

FEATURE:

1. This rotary magnetic chuck with the motor. The rotary speed can adjustable.
2. It's easy and simple for set up on the surface grinding machine. It's for do rotary grind.
3. The precision is within 0.002 m/m. High precision, High efficient.
4. It provides well prevention for dust, coolant, and lubricants. Spindle end be applied accuracy bearing, can be assured to keep very steady under load grinding.

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Vertex в России.

Vertex — компания, являющаяся крупнейшим тайваньским экспортером прецизионной инструментальной оснастки и вспомогательного инструмента.



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