



Trust and Reliability[®]
VTM ENTERPRISES



**GENERAL
CATALOGUE**

V-CUT

DRO MILLING MACHINE

MODEL - V-4

FEATURES

- ❖ Meehanite casting (FC-30 Grade) with annealing and stressrelieving treatment.
- ❖ Square Slideways on Y, Z -axis (for V-4 series) way surfaces are hardened and precision ground assuring maximum rigidity and maintaining high accuracy in heavy cutting.
- ❖ Turcite B coated on x and y ways.
- ❖ Spindle is made from SCM-415 with tempering treatment and precise ground.
- ❖ Precision angular contact bearing, P4(7210) for high accuracy and heavy duty cutting.
- ❖ Centralized one shot lubrication system for ways, nuts and lead screws.
- ❖ The One piece back gear housing with bearing is finish bored into the housing after installation, providing the best alignment for quieter and more efficient operation in V-4
- ❖ Inner Taper was Hardened & Precision Grounded, Inner Taper runout keeps within 0.002mm

SPECIFICATION

| MODEL | VK-4 |
|------------------------------|----------------------|
| Table (LengthxWidth) | 1270mm X 254mm |
| Traveling | 900 X 420 X 400mm |
| Arm Travel | 500 mm |
| Taper | R 8, NT 30, NT 40 |
| Spindle Motor | 2.2 KW 3 PH |
| Motor Speed Range | 70-4621 / 0-4200 RPM |
| Swivel Angle to Right & Left | 90° |
| Swivel Angle to Front & Back | 45° |
| Quil Travel | 127mm, Dia 86mm |
| Approximate Net Weight | 1350 Kgs |

STANDARD ACCESSORIES

- ❖ COLLET SET
- ❖ CLAMPING KIT
- ❖ MACHINE VISE
- ❖ LAMP
- ❖ DRAWBAR
- ❖ TOOL BOX
- ❖ CHIP GUARD
- ❖ COOLANT SYSYTEM
- ❖ ONE SHOT LUBRICATION SYSTEM

OPTIONAL ACCESSORIES

- ❖ HYDRAULIC VISE
- ❖ BORING HEAD
- ❖ DRILL CHUCK
- ❖ Z Axis DRO Scale
- ❖ POWER FEED X & Y AXIS



VTM[®]

DRO MILLING MACHINE

MODEL - VK-4 / VK-5 / VK-5SH

FEATURES

- ❖ Meehanite casting (FC-30 Grade) with annealing and stressrelieving treatment.
- ❖ Square Slideways on Y, Z -axis (for VK-5SH series) way surfaces are hardened and precision ground assuring maximum rigidity and maintaining high accuracy in heavy cutting.
- ❖ Turcite B coated on x and y ways.
- ❖ Spindle is made from SCM-415 with tempering treatment and precise ground.
- ❖ Precision angular contact bearing, P4(7210) for high accuracy and heavy duty cutting.
- ❖ Centralized one shot lubrication system for ways, nuts and lead screws.
- ❖ The One piece back gear housing with bearing is finish bored into the housing after installation, providing the best alignment for quieter and more efficient operation in VK-5SH
- ❖ Inner Taper was Hardened & Precision Grounded, Inner Taper runout keeps within 0.002mm

SPECIFICATION

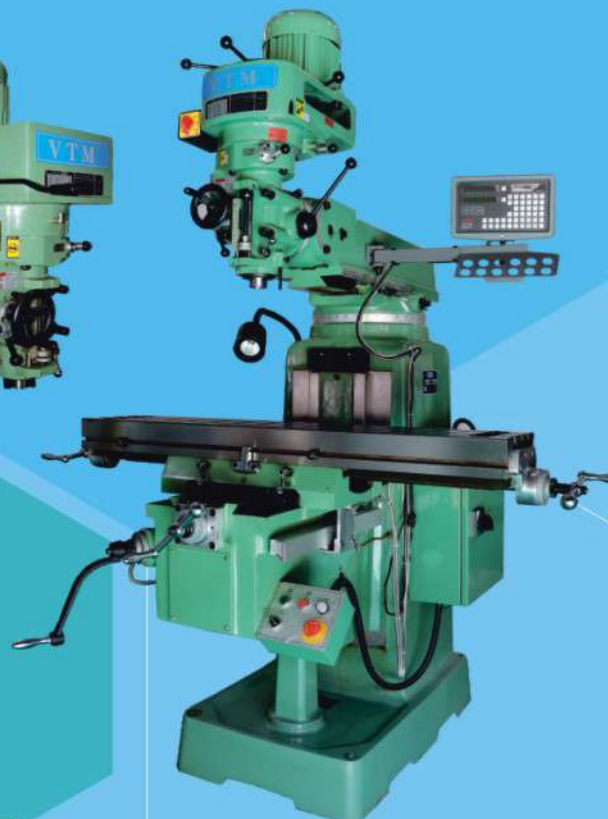
| MODEL | VK-4 | VK-5 | VK-5SH |
|------------------------------|----------------------|-------------------|--------|
| Table (LengthxWidth) | 1270mm X 254mm | 1370mm X 254mm | |
| Traveling | 900 X 420 X 400mm | 1000X 435 X 500mm | |
| Arm Travel | 500 mm | | |
| Taper | R 8, NT 30, NT 40 | | |
| Spindle Motor | 2.2 KW 3 PH | | |
| Motor Speed Range | 70-4621 / 0-4200 RPM | | |
| Swivel Angle to Right & Left | 90° | | |
| Swivel Angle to Front & Back | 45° | | |
| Quil Travel | 127mm, Dia 86mm | | |
| Approximate Net Weight | 1350 Kgs | | |

STANDARD ACCESSORIES

- ❖ DRILL CHUCK
- ❖ COLLET SET
- ❖ CLAMPING KIT
- ❖ MACHINE VISE
- ❖ LAMP
- ❖ DRAWBAR
- ❖ TOOL BOX
- ❖ CHIP GUARD
- ❖ COOLANT SYSYTEM
- ❖ ONE SHOT LUBRICATION SYSTEM

OPTIONAL ACCESSORIES

- ❖ HYDRAULIC VISE
- ❖ BORING HEAD
- ❖ Z Axis DRO Scale
- ❖ POWER FEED X & Y AXIS



Milltech®

DRO MILLING MACHINE

MODEL - HYM4VA

FEATURES :

- ❖ Table slideways, and top and bottom surfaces are tempered and hardened.
- ❖ The major cast iron of **FC-30** and **FCD-45** is high tensile material (MEEHANITE), it is annealed for stress relieving, Featuring anti-Wearness and Deformation free.
- ❖ T-slots on table are also precision ground to upgrade accuracy on reference planes.
- ❖ Dowtel Slideways on X, Y, Z-axis (for HYM4VA series) way surfaces are hardened and precision ground assuring maximum rigidity and maintaining high accuracy in heavy cutting.
- ❖ X, Y-axis slideways are coated with **Turcite-B** for smooth traverse and wear-resistance.
- ❖ **Unique double nuts** and backlash adjusting design, contact face enlarged ensuring accuracy over term and easy for backlash adjustment.
- ❖ Centralized one shot lubrication system for ways, nuts and lead screws.
- ❖ Our Spindle are made from One piece of **Ni-Cr Alloy Steel**.
- ❖ Supported by Two Precision Angular contact **P4(7210)** and one ball bearing to ensure rigidity & the inner taper runout keeps within **0.002mm**.

SPECIFICATION

| MODEL | HYM4VA |
|------------------------------|----------------------|
| Table (LengthxWidth) | 1370mm X 254mm |
| Traveling | 970 X 430 X 420mm |
| Arm Travel | 500 mm |
| Spindle Motor | 3 HP |
| Motor Speed Range | 70-4621 / 0-4200 RPM |
| Swivel Angle to Right & Left | 90° |
| Swivel Angle to Front & Back | 45° |
| Quil Travel | 127mm, Dia 86mm |
| Approximate Net Weight | 1400 Kgs |



FIRST

DRO MILLING MACHINE

MODEL - LC-1½ TM / LC-185 TM

FEATURES :

- ❖ Table slideways, and top and bottom surfaces are tempered and hardened.
- ❖ The major cast iron of **FC-30** and **FCD-45** is high tensile material (MEEHANITE), it is annealed for stress relieving, Featuring anti-Wearness and Deformation free.
- ❖ T-slots on table are also precision ground to upgrade accuracy on reference planes.
- ❖ Dowtel Slideways on X, Y, Z-axis (for 185 series) way surfaces are hardened and precision ground assuring maximum rigidity and maintaining high accuracy in heavy cutting.
- ❖ X, Y-axis slideways are coated with **Turcite-B** for smooth traverse and wear-resistance.
- ❖ **Unique double nuts** and backlash adjusting design, contact face enlarged ensuring accuracy over term and easy for backlash adjustment.
- ❖ Centralized one shot lubrication system for ways, nuts and lead screws.
- ❖ Our Spindle are made from One piece of **Ni-Cr Alloy Steel**.
- ❖ Supported by Two Precision Angular contact **P4(7210)** and one ball bearing to ensure rigidity & the inner taper runout keeps within **0.002mm**.

SPECIFICATION

| MODEL | LC -1½ TM | LC - 185 TM |
|---------------------------------------|-----------------------|-----------------------|
| Table (LengthxWidth) | 1270mm X 230mm | 1374mm X 254mm |
| Traveling | 900mm X 305mm X 406mm | 990mm X 450mm X 500mm |
| Taper | R 8, NT 30, NT 40 | |
| Arm Travel | 305 mm | 490 mm |
| Spindle Head Motor Double Speed Motor | 2HP | |
| Motor Speed Range | 60-2280 RPM (8 Steps) | |
| Swivel Angle to Right & Left | 90° | |
| Swivel Angle to Front & Back | 45° | |
| Quil Travel | 127mm, Dia 86mm | |
| Approximate Net Weight | 1200 Kgs | 1400 Kgs |



HIGH PRECISION SURFACE GRINDING MACHINE

MODEL - APSG618M/APSG1020/APSG1224

FEATURES

- Major cast parts are made of stress relieved and annealed **MEEHANITE** castings to ensure stability, rigidity, high accuracy and extended working life.
- The spindle is coupled directly with a **V-3 motor** which ensures a high spindle run out accuracy of **2μ**.
- The precision cartridge spindle is greased and requires very little maintenance and incorporates 4 preloaded **class 7(P4) super precision angular contact ball bearings** for heavy grinding.
- Double V slideways are precisely hand-scraped and coated with **Turcite B** for smooth movement and extra stability.
- Standard auto-lube system provides simple lubrication on all slideways, lead screws and nuts.
- Lubricating oil is filtered and recycled for smooth movement and minimal wear and tear.

STANDARD ACCESSORIES

- GRINDING WHEEL WITH FLANGE
- WHEEL BALANCING ARBOR
- WHEEL DRESSER WITH DIAMOND
- TOOLBOX & TOOLS
- WHEEL BALANCING BASE
- WORKING LAMP
- LEVELING SCREW & PLATE
- OPERATION MANUAL

OPTIONAL ACCESSORIES

- ELECTRO MAGNETIC CHUCK
- PARALLEL DRESSING ATTACHMENTS
- DEMAGNETIZER
- GRINDING WHEEL FLANGE
- PAPER FILTER W/COOLANT SYSTEM
- COOLANT SYSTEM W/SPLASH GUARD
- COOLANT SYSTEM & DUST UNIT W/SPLASH GUARD
- DUST SUCTION SYSTEM
- MAGNETIC SEPARATOR FILTER

SPECIFICATION

| MODEL | APSG-618M | APSG-1020 | APSG-1224 |
|---------------------------------------|---------------------|-----------|-------------------|
| Table Size (LengthxWidth) | 150X457mm | 250X500mm | 300X600mm |
| Max. Grinding Length | 475 mm | 580 mm | 700 mm |
| Max. Grinding Width | 160 mm | 300 mm | 340 mm |
| Distance from Table to Spindle Center | 490 mm | 500 mm | 500 mm |
| Wheel Size | 180 X 13 X 31.75 mm | | 355 X 38 X 127 mm |
| Spindle Speed (50/60 HZ) | 3000 to 3600 rpm | | 1750 to 2000 rpm |



VTM[®]

ALL GEARED LATHE MACHINE

FEATURES

- Suitable for Tool room applications and High productivity.
- All gears in Head stock are hardened and precision Grounded.
- FEED ROD** and lead screw **Interlocked**.
- Foot operated **Spindle brake** for quick and effective stop of spindle while operating.
- Cam lock **Spindle nose** to handle **3 jaw & 4 jaw chuck**.
- Turcite B** Coating between the bed and Carriage.
- DRO** (Digital read out System) is optional

STANDARD ACCESSORIES

- 3 JAW CHUCK
- 4 JAW CHUCK
- SLEEVE 2 NOS
- FACE PLATE
- STEADY REST
- FOLLOW REST
- COOLANT SYSTEM
- MACHINE LAMP
- CHUCK GUARD
- OPERATION MANUAL



SPECIFICATION

| MODEL | VTM 410 | VTM 460 |
|--------------------------|--------------|--------------|
| Swing Over Bed | 410mm | 460mm |
| Swing Over Cross Slide | 220mm | 270mm |
| Distance between Centres | 1000mm | 1500mm |
| Width of Bed | 300mm | 300mm |
| Spindle Bore | 58mm | 58mm |
| Spindle Speed | 20-2000(RPM) | 25-2000(RPM) |
| Tail Stock Travel | 120mm | 120mm |
| Main motor | 5.5Kw | 5.5Kw |

HIGH PRECISION TOOLROOM MACHINE

LIGHT DUTY
LATHE



DRO MILLING
MACHINE



SURFACE
GRINDING
MACHINE



PILLAR
DRILLING
MACHINE



BENCH
GRINDER



BAND SAW
CUTTING MACHINE



METAL FABRICATION & SHEET METAL INDUSTRIAL MACHINES



PNEUMATIC
POWER PRESS



NC SERVO FEEDER

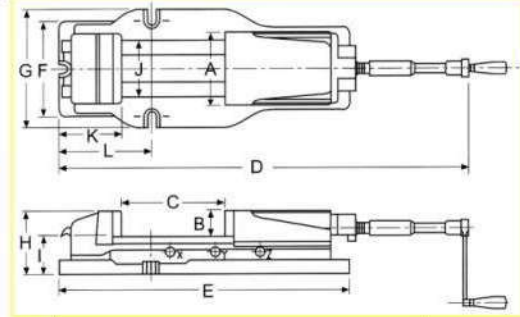


SHEET BENDING
MACHINE



SHEARING MACHINE

HYDRAULIC MACHINE VISE



FEATURES

- ❖ Hydraulic Inside, Pressure Designed, Just Light Knock Handle by Wink Power. It auto change to Pressure Enter.
- ❖ The body and fixed clamping are unit, Manufactured by Fc30 Iron Cast, Rigidity is Strong not easy to Change Shape.
- ❖ Slipping Side of Vise Heat Treatment up HRC 45* up, and grind precision.

| 型號 Model | A | B | C | D | E | F | G | H | I | J | K | L | X | Y | Z | 夾持力(kgf) Power | 重量(kg) Weight |
|-------------|-----|----|-------|-----|-----|-----|-----|-----|------|-----|-----|-----|-------|--------|---------|-------------------|------------------|
| HV500 | 130 | 48 | 0~220 | 840 | 550 | 175 | 207 | 120 | 70.5 | 97 | 107 | 195 | 0~73 | 72~146 | 145~220 | 3000 | 38 |
| HV600 | 150 | 53 | 0~300 | 970 | 620 | 182 | 225 | 135 | 82.5 | 116 | 117 | 210 | 0~100 | 98~200 | 198~300 | 4500 | 53 |

MATCHLING BRAND MACHINE ACCESSORIES



VTM ENTERPRISES®

UNIT I : Plot No. 8, Dharmalingam Nagar, Opp. AmarPrakash Temple Waves Apartment, Thiruneermalai Road, Kundrathur, Chennai - 600 069

UNIT II : No. 15, 16, Sharma Nagar, Near AR Weigh Bridge, Thiruneermalai Road, Kundrathur, Chennai - 600 069.

+91-94433 80067, 97870 88777 | vijayakumarvk@yahoo.com, info@vtmenp.com

