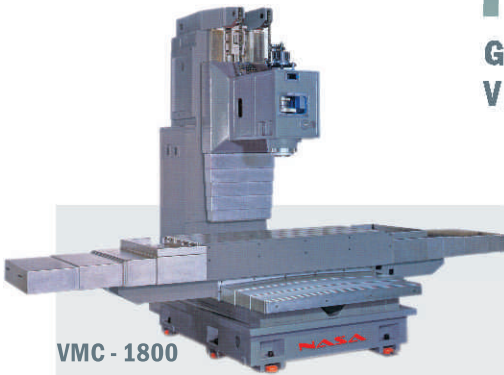


NASA HEAVY DUTY

GEARED HEAD / BELT DRIVEN VERTICAL MACHINING CENTRES



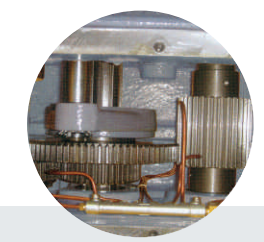
VMC - 1800



VMC - 1400



VMC - 1600



Built in type 6,000rpm gear head (BT 40) (Only available in Mazak / DMG)



Extra wide basement 1120mm for heavy cutting work

SPECIFICATION

| Work Table | VMC-1400 | VMC-1600 | VMC-1800 |
|-------------------------------|-----------------------------------|----------------------------|----------------------------|
| Size | 1550 x 700 mm | 1700 x 815 mm | 1900 x 900 mm |
| T-Slot (width x no. X dis) | 18 x 5 x 130 mm | 18 x 5 x 130 mm | 18 x 5 x 150 mm |
| Travel (X x Y x Z) | 1400 x 720 x 610/680mm | 1600 x 800 x 850/700mm | 1800 x 950 x 750mm |
| Positioning Accuracy | 0.005 mm/300mm | 0.005 mm/300mm | 0.005 mm/300mm |
| Repeatability X/Y/Z | ±0.003 mm | ± 0.003 mm | ± 0.003 mm |
| X,Y & Z Motor | Fanuc/Mitsubishi 2.5 kw or 3.8 kw | Fanuc a 22: 3.8kw | Fanuc a 22: 3.8kw |
| Rapid Speed (mm/min) | 15 x 15 x 15M/min (18M/min opt.) | 15 x 15 x 15 M/min | 15 x 15 x 15 M/min |
| Feeding Speed | 1 - 8000/min | 7M/min | 7M/min |
| Spindle | | | |
| Taper | BT 40/BT50 | BT50 | BT50 |
| Housing | Ø150/Ø190 mm | Ø190 mm | Ø190 mm |
| Spindle Motor | Bt40: 9/11 kw/15 HP | 11/15 kw(18.5kw/25HP opt.) | 11/15 kw(18.5kw/25HP opt.) |
| Speed | 8,000rpm(10,000 rpm opt.) | 4,500 rpm(6,000 rpm opt.) | 4,500 rpm(6,000 rpm opt.) |
| Spindle Nose to Table Surface | | 200 - 900 mm | 200 - 950 mm |
| Spindle Center to column | 100 - 780 mm | 850 mm | 1000 mm |
| Auto Tool Changer | | | |
| Tool Storage Capacity | 24 Pcs Arm Type | 24 Pcs | 24 Pcs |
| Max. Adjacent Tool Diameter | Ø80mm/Ø125 mm | Ø125 mm | Ø125 mm |
| Max. Tool Weight | 7 kgs/15 kgs | 15 kgs | 15 kgs |
| General Information | | | |
| Coolant Pump | 1/2HP x 1 set, 1 1/4HP x 1set | 1HP | 1HP |
| Air Power Required | 6 kgs/cm ² | 7 kgs/cm ² | 7 kgs/cm ² |
| Table Loading | 1,200 kgs | 2,100 kgs | 2,200 kgs |
| Net Weight | 11,500 kgs | 14,500 kgs | 16,500 kgs |
| Floor Space | 3850 x 3400 x 2800 mm | 4600 x 2920 x 2930 mm | 5000 x 3120 x 3030 mm |
| Electric Power | 25 KVA /30 KVA | 35 KVA | 35 KVA |

NASA

2-IN-1 NC MILLING MACHINE

2-in-1 NC Milling machine with vertical and horizontal machining - X/Y/Z with ball screws and servo motors and also available optionally with Fanuc / Mitsubishi CNC Controllers.



OX - 3

| Specification | |
|--------------------------|----------------------------------|
| Table Size | 500 x 1900mm |
| Travel | 1600 x 630 - 650 x 100 - 750mm |
| Spindle Taper | NT50 |
| Spindle Motor | 10 HP |
| Spindle Speed | 0-610rpm (6 steps) 1200rpm (opt) |
| Horizontal Spindle (OP.) | 35 KVA 52-1227rpm (12 steps) |

Economical CNC

NASA

CNC MILLING MACHINE

CNC VERTICAL MACHINING CENTRE

BOX GUIDEWAYS/MITSHUBISHI/FANUC CNC CONTROLLER

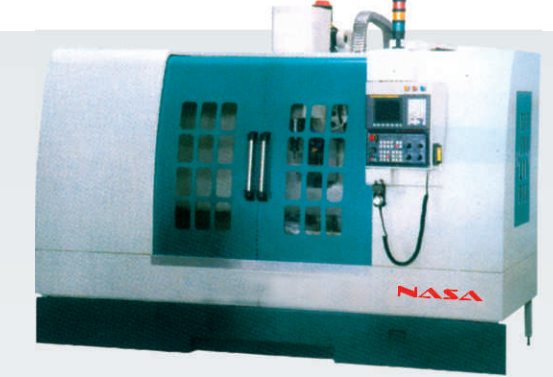
Lowest prices in India



Standard Accessories



Optional Equipment ATC



Optional Equipment Full-closed safety cover

Specifications

| Item/Model | S -13548 | S -1654 | S -2063 | S -2473 | |
|------------------------|--|----------------|----------------|----------------|----------------|
| Table | Table size (L x W/mm) | 1370 x 330 | 1370 x 406 | 1600 x 510 | 1854 x 610 |
| | Table loading capacity (kg) | 400 | 800 | 1200 | 1500 |
| | T - slots (W/mm x No) | 16 x 3 | 16 x 5 | 18 x 5 | 18 x 5 |
| Travel | X - axis (mm) | 800 | 1000 | 1200 | 1500 |
| | Y - axis (mm) | 450 | 480 | 700 | 700 |
| | Z - axis (mm) | 480 | 600 | 600 | 700 |
| | Max.move speed (mm/min) | 8000 | 8000 | 10000 | 10000 |
| | Max.feed speed (mm/min) | 3000 | 3000 | 4000 | 4000 |
| Spindle | Spindle speed (rpm/min) | RANGE40-6000 | RANGE40-6000 | RANGE40-6000 | RANGE40-6000 |
| | Spindle nose | BT40 | BT40 | BT40/BT50 | BT40/BT50 |
| | Spindle motor (kw) | 5.5 | 7.5 | 7.5 | 7.5 |
| | (MITSUBISHI) servo motor (kw) | X/Y:1.0, Z:1.5 | X/Y/Z:1.5 | X/Y/Z:2.0 | X/Y/Z:2.0 |
| | Spindle quill diameter (mm) | φ120 | φ150 | φ150/φ160 | φ150/φ160 |
| | Spindle to column surface (mm) | 450 | 520 | 640 | 695 |
| CNC Controller | Standard: Mitsubishi Optional: Fanuc / Siemens | | | | |
| Three axis accuracy | Positioning accuracy | ±0.015mm | ±0.015mm | ±0.015mm | ±0.015mm |
| | Repeatability | ±0.008mm | ±0.008mm | ±0.008mm | ±0.008mm |
| Packing Dimension (mm) | | 2250x2280x2450 | 2500x2280x2650 | 2900x2950x2800 | 2900x3150x2900 |
| | | 2950x2280x2450 | 3200x2280x2650 | 4500x2750x2800 | |
| Machine weight (kg) | | 2600 | 3800 | 5000 | 6000 |
| | | 3400 | 4720 | 6400 | |

Standard Accessories: Semi machine enclosure, Coolant system, Auto lubrication system, Lamp, Caution light for less of lubrication, Coolant and air, Singularity caution light, Leveling screw and block, Telescopic cover for guide ways, Heat exchanger system for control cabinet, Operation manual, Tool box, Clamping apparatus.

Optional: Full cover, Automatic tool change (umbrella / arm type), Fanuc controller, Siemens controller, 4th Axis CNC rotary table or CNC dividing head options.

SHIV MACHINE TOOLS

Website : www.shimato.in
 For Sales & other information : info@shimato.in
 For Service Support : service@shimato.in

Chennai H.O: New # 102, Armenian Street, Chennai-1. Tel: 044 -2522 3473 / 7305 Fax: 044 -25227954 Mob: 93802 42142 / 99400 28713
Chennai-Ambattur: 371, SIDCO Industrial Estate, North Phase (Opp. Godrej Gate No.2) Chennai-98. Tel: 044-2635 0060 / 61 Fax: 2635 0062
Bangalore-Trident: D-1, Unity Bldg, J.C Road, Bangalore -2. Tel: 080-41240240/22223765 Fax: 080-22278740 Mob: 9900594366 / 9845529572
Pune: Heera Plaza, J 42/43, Indrani Nagar Road, (Opp. Siemens Cotmac), MIDC, Bhosari, Pune - 26. Tel: 020-2712 2419 Mob: 99225 33388
Mumbai: 241, Princess Street, 1st floor, Chandra Mahal, Mumbai - 2. Tel: 022-6418 7607 / 3297 4941 Fax: 022-22035541 Mob: 98673 59270
Ahmedabad: Godasar, Ahmedabad - 50. Tel: 99090 00032



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CNC MILLING DRILL TAP CENTRES

VERTICAL MACHINING CENTRES

FASTEST DELIVERY

VIBRANT PRODUCTS for VIBRANT INDIA

Lowest prices in India with Finance options



Best Selling CNC Machines in India

VERTICAL MACHINING CENTRES



CNC MILLING / VERTICAL MACHINING CENTRES



DRILL TAP CENTRES

WORLD CLASS

NASA DRILL TAP CENTRES

| Specifications | | Units | VMC 0535 | |
|--------------------------------------|---|---------|----------------|------------|
| Worktable | Worktable Size | mm | 600 x 360 | |
| | Max-load capacity | kg | 200 | |
| | T-slot size | mm x N | 18 x 3 | |
| Machining range | Worktable travel-X-axis | mm | 510 | |
| | Max.travel-Y-axis | mm | 350 | |
| | Headstock travel-Z-axis | mm | 300 | |
| | Distance of spindle nose to table surface | Max. mm | 430 | |
| | | Min. mm | 130 | |
| Spindle | Spindle taper(7:24) | | BT30 | |
| | Spindle speed range | r/min | 240-8000 | |
| | Max.spindle torque | N.m | 17.7 | |
| | Power of main motor | kw | 3.7/5.5 | |
| Feed | Cutting feed speed range | mm/min | 1-10000 | |
| | Rapid traverse | X-axis | m/min | 36 |
| | | Y-axis | m/min | 36 |
| | | Z-axis | m/min | 30 |
| Tool magazine | Max.tool length | mm | 200 | |
| | Type | | Turret | |
| | Capacity | N | 12 | |
| | Diameter of maximum tool | mm | 50 | |
| | Tool change time (tool to tool) | s | 2 | |
| Positioning accuracy | Executing Standard JISB6192 | X-axis | mm | ±0.005/300 |
| | | Y-axis | mm | ±0.005/300 |
| | | Z-axis | mm | ±0.005/300 |
| Repeatability | Executing Standard JISB6192 | X-axis | mm | ±0.003 |
| | | Y-axis | mm | ±0.003 |
| | | Z-axis | mm | ±0.003 |
| Weight of machine | kg | | 2880 | |
| Total power capacity | kVA | | 10 | |
| Overall dimensions of machine(L/W/H) | mm | | 2200/1550/2400 | |
| CNC system | | | FANUC Oi-Mate | |



Standard Equipment

- Rigid tapping
- Working lamp and alarm
- Telescopic cover for X,Y and Z axes
- function for blowing air to spindle
- Machine tool enclosure
- Auto lubrication system
- Coolant (cycle) system
- Absolute encoder feedback
- Helix chip conveyor
- Squirt gun for sweeping chip

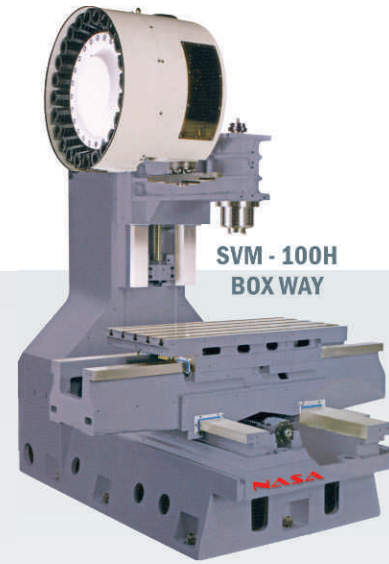
Optional Equipment

- Mitsubishi system
- The fourth axis machining

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VERTICAL MACHINING CENTRES LINEAR GUIDEWAYS HIGH QUALITY / HIGH PRECISION

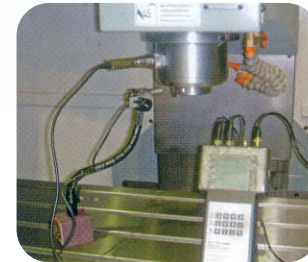
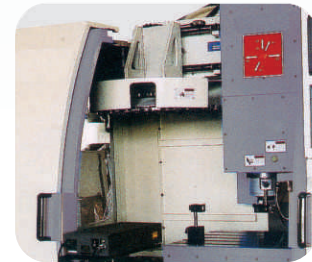
HIGH ACCURACY
LEVELS THAN ANY
VMC IN INDIA



ASSEMBLY LINE



INSPECTION



SPECIFICATION

| Work Table | SVM-40 | SVM-60 | SVM-100 | SVM--100H |
|--------------------------------|--------------------------|--------------------------|---------------------------------|---------------------------------|
| Size | 550 x 350 mm | 800 x 450 mm | 1200 x 500 mm | 1200 x 500 mm |
| T-Slot (width x no. X dis) | 14 x 3 x 100 mm | 18 x 3 x 100 mm | 18 x 5 x 100 mm | 18 x 5 x 100 mm |
| Travel (X x Y x Z) | 450 x 350 x 400 mm | 610 x 460 x 510 mm | 1020 x 510 x 560 mm | 1020 x 510 x 560 mm |
| Positioning Accuracy | 0.005 mm/300mm | 0.005 mm/300mm | 0.005 mm/300mm | 0.005 mm/300mm |
| Repeatability X/Y/Z | ± 0.003 mm | ± 0.003 mm | ± 0.003 mm | ± 0.003 mm |
| X,Y & Z Motor | Mitsubishi M70A | Mitsubishi M70A | Fanuc | Fanuc |
| | X,Y : 1.5kw Z : 2.0kw | X,Y : 1.5kw Z : 2.0kw | 3.0 kw | 3.0 kw |
| Rapid Speed (mm/min) | 48 x 48 x 36 M/min | 48 x 48 x 36 M/min | 36 x 36 x 36 M/min | 15 x 15 x 15 M/min |
| Feeding Speed | 12 M/min | 12 M/min | 12 M/min | 1-8000 mm/min |
| Spindle | | | | |
| Taper | BT30 | BT40 | BT40 | BT40 |
| Housing | Ø100 mm | 120 mm | Ø150 mm | Ø150 mm |
| Spindle Motor | 3.7kw / 5HP | 7.5kw / 10HP | 7.5kw/10HP | 7.5kw/10HP(15kw/20HP Opt.) |
| Speed | 15000 rpm (Direct Drive) | 15000 rpm (Direct Drive) | 8,000 rpm | 8,000 rpm |
| Spindle Nose to Table Surface | 100 - 450 mm | 125 - 635 mm | 150 - 700 mm | 150 - 700 mm |
| Auto Tool Changer | | | | |
| Tool Storage Capacity | 20 Pcs Arm Type | 24 Pcs Arm Type | 24 Pcs Arm Type | 24 Pcs Arm Type |
| Max. Adjacent Tool Diameter | Ø55 mm | Ø80 mm | Ø80 mm | Ø80 mm |
| Max. Tool Weight | 4 kgs | 6 kgs | 6 kgs | 6 kgs |
| General Information | | | | |
| Coolant Pump | 1/2HP | 1/2HP | 1/2HP x 1 set & 1 1/4HP x 1 set | 1/2HP x 1 set & 1 1/4HP x 1 set |
| Air Power Required | 6 kgs/cm ² | 6 kgs/cm ² | 6 kgs/cm ² | 6 kgs/cm ² |
| Table Loading | 120 kgs | 400 kgs | 500 kgs | 650 kgs |
| Column Surface to Table Center | | | 353 - 863 mm | 320 - 830 mm |
| Net Weight | 2600 kgs | 4000 kgs | 5,200 kgs | 5,450 kgs |
| Floor Space | 2350 x 2310 x 2100 mm | 2050 x 2225 x 2227 mm | 3050 x 2319 x 2558 mm | 3050 x 2319 x 2558 mm |
| Electric Power | 15 KVA | 15 KVA | 15 KVA | 15 KVA |

Incase of Fanuc CNC Controllers, Rapid speed for SVM 40 / 50 will reduce to 36 x 36 x 36 M/min

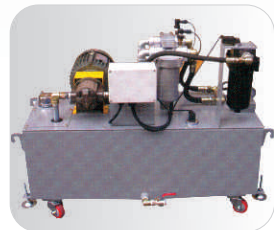
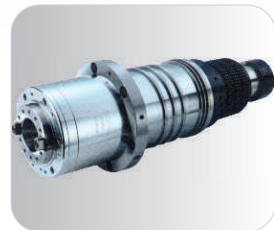
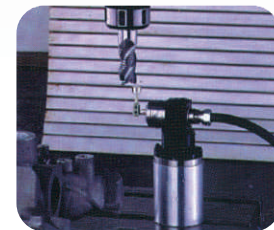
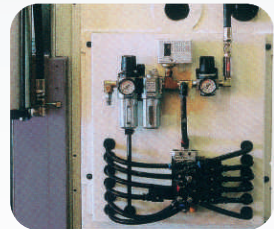
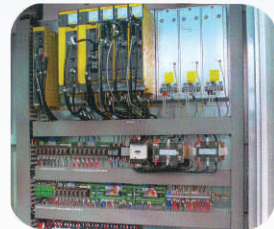
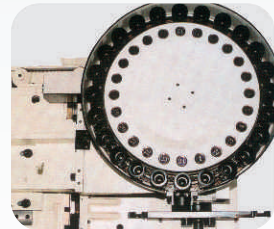
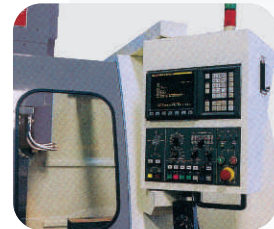
STANDARD ACCESSORIES

- Coolant System
- Auto Lubrication
- Spindle Air Blast
- Compact Fluorescent Work light
- Alarm system
- Work Air Blast
- Rigid Tapping
- Heat Exchanger

- Full Enclosed Splash Guard
- 24 Pcs Arm-type ATC
- 24 Pcs Arm-type ATC
- 3 Axes Telescopic Steel Guard
- Four Square Way Base Wide 1120mm
- Rs-232 or Rj45 interface
- Auto Power Off

- ### OPTIONAL ACCESSORIES
- Chain Type chip Conveyor & chip Cart
 - Oil Coolant
 - Belt drive Spindle Speed 10,000rpm and Oil Coolant
 - Coolant Through Spindle
 - CNC Rotary Table
 - P Motor
 - VMC1100/1400(BT40); Gear Box Head 6,000rpm
 - VMC1100/1400(BT40); Direct Drive 12000/15000 rpm

PARTS FEATURE



CNC CONTROLLER SYSTEM

