



**MACHINE TOOLS**

**MILLING**

**CNC BED TYPE MILLING MACHINE**

MODEL: 6BINC

- ▲ Table size: 305x1524mm
- ▲ X, Y, Z axes travel: 1000 x 480 x 560mm
- ▲ Spindle Taper: NT40
- ▲ Quill diameter: 100mm
- ▲ Spindle motor: 5HP
- ▲ Spindle speed: L: 70-500rpm ; H:600-4200rpm
- ▲ Head tilts left and right 45°
- ▲ Siemens 808D controller ; Fagor controller
- ▲ Light duty milling purpose

**CNC BED TYPE MILLING MACHINE**

MODEL: S-3000 / S-4000

- ▲ Table size: 1000x3200mm / 1000x4200mm
- ▲ Max. table load: 2000kg
- ▲ X, Y, Z axes travel: 3000 x 1000 x 900mm / 4000 x 1000 x 900mm
- ▲ Spindle Taper: BT40 / BT50
- ▲ Spindle motor: 11/15kw; 15/22kw
- ▲ Spindle speed: 8000rpm / 10000rpm / 12000rpm; 6000/8000rpm
- ▲ Fagor 8055 controller
- ▲ Heavy duty 4 slide ways base (2 supports)
- ▲ Wider cast iron column and solid box way design
- ▲ Armless or arm type tool magazine is available

**MOVING COLUMN LINEAR GUIDE WAY MACHINING CENTER**

MODEL: VMC4000S

- ▲ X, Y, Z axes travel: 4000 x 450 x 500mm / 4000 x 450 x 600mm (opt.)
- ▲ Spindle Taper: BT40
- ▲ Spindle motor: 7.5/11kw
- ▲ Spindle speed: 8000rpm
- ▲ Fanuc 0iMD controller
- ▲ Arm type tool magazine, 24 Tools
- ▲ Heavy load linear guide ways
- ▲ Suitable for long, but thin workpiece, fast drilling capacity

**VERTICAL MACHINING CENTER**

MODEL: CNC-2085

- ▲ Table size: 762x2100mm
- ▲ Max. Table loading : 1800kgs
- ▲ X, Y, Z axes travel : 2000 x 850 x 800mm
- ▲ Spindle Taper : BT40
- ▲ Spindle motor: 20HP
- ▲ Spindle speed: 8000rpm
- ▲ 3 axes rapid feed 20M/min.
- ▲ Fanuc / Fagor controller
- ▲ Arm type tool magazine, 24 Tools
- ▲ 4 slide box way base



**VERTICAL TURRET TYPE MILLING MACHINE**

MODEL: 830A3

- ▲ Table size: 205x760mm (8"x30")
- ▲ X, Y, Z axes travel: 470 x 200 x 460mm
- ▲ X, Y, Z axes dovetail ways
- ▲ Spindle Taper: NT30 or NT40
- ▲ Spindle motor: 2HP or 3HP
- ▲ Spindle speed: variable speed & step speed are available
- ▲ Head tilts to 90° both ways 360° rotation on horizontal surface

**VERTICAL TURRET TYPE MILLING MACHINE**

MODEL: 3HM

- ▲ Table size: 230x1244mm
- ▲ X, Y, Z axes travel: 860 x 400 x 430mm
- ▲ X axis dovetail way; Y, Z axes square ways
- ▲ Spindle Taper : NT30
- ▲ Quill diameter: 85.7mm
- ▲ Spindle motor: 3HP
- ▲ Spindle speed: 8 step speed 80-2720rpm (16 steps 80-5440rpm)-60HZ
- ▲ Spindle speed: 8 step speed 70-2310rpm-50HZ
- ▲ Head swivel angle (R&L) : ±90°
- ▲ Head Tilting angle (Up & Down): ±45°

**VERTICAL TURRET TYPE MILLING MACHINE**

MODEL: 3KVS / 3KVA

- ▲ Table size: 254x1270mm / 254 x 1370mm (opt.)
- ▲ X, Y, Z axes travel: 800 / 915 x 380 x 430mm
- ▲ X, Y, Z axes dovetail ways
- ▲ Spindle Taper: NT30 / NT40(Opt.)
- ▲ Quill diameter: 85.7mm
- ▲ Spindle motor: 3HP / 5HP(Opt.)
- ▲ Spindle speed: variable speed – model 3KVS
- ▲ step speed – model 3KVA
- ▲ Head swivel angle (R&L): ±90°
- ▲ Head Tilting angle (Up & Down): ±45°

**VERTICAL TURRET TYPE MILLING MACHINE**

MODEL: 4KVS / 4KVA

- ▲ Table size: 254x1270mm / 254 x 1370mm (opt.)
- ▲ X, Y, Z axes travel: 800 / 915 x 380 x 430mm
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT30 / NT40 (Opt.)
- ▲ Quill diameter: 85.7mm (opt.100mm)
- ▲ Spindle motor: 3HP / 5HP (Opt.)
- ▲ Spindle speed: variable speed – model 4KVS
- ▲ step speed – model 4KVA
- ▲ Head swivel angle (R&L): ±90°
- ▲ Head Tilting angle (Up & Down): ±45°





### VERTICAL TURRET TYPE MILLING MACHINE ▶

MODEL: 5VK

- ▲ Table size: 254x1270mm (10"x50") / 254 x 1370mm (10"x54")
- ▲ X, Y, Z axes travel: 775 x 400 x 450mm (manual)
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter: 105mm
- ▲ Spindle motor: 5HP
- ▲ Spindle speed: mechanical variable speed
- ▲ Head swivel angle (R&L) :  $\pm 90^\circ$
- ▲ X & Y axes movement by manual
- ▲ Z axis up-down rapid traverse



### VERTICAL TURRET TYPE MILLING MACHINE ▶

MODEL: 4EVS

- ▲ Table size: 254x1270mm / 254 x 1370mm (Opt.)
- ▲ X, Y, Z axes travel: 775 x 400 x 406mm (manual)
- ▲ X & Z axes dovetail ways, Y axis square way
- ▲ Spindle Taper: NT40
- ▲ Quill diameter: 100mm
- ▲ Spindle motor: 3HP-4P(Inverter)
- ▲ Spindle speed: Inverter driven variable speed
- ▲ Head swivel angle (R&L):  $\pm 90^\circ$
- ▲ Head Tilting angle (Up & Down):  $\pm 35^\circ$
- ▲ X axis power feed for rapid traverse (opt.)
- ▲ Y axis movement by manual
- ▲ Z axis up-down rapid traverse (opt.)



### VERTICAL TURRET TYPE MILLING MACHINE ▶

MODEL: S4AL

- ▲ Table size: 305x1500mm
- ▲ X, Y, Z axes travel: 1000 x 374 x 403mm
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter: 105mm
- ▲ Spindle motor: 5HP
- ▲ Spindle speed: Inverter driven variable speed
- ▲ Head swivel angle (R&L):  $\pm 90^\circ$
- ▲ Head Tilting angle (Up & Down):  $\pm 35^\circ$
- ▲ X & Y axes automatic feeds driven by inverter
- ▲ Z axis rapid up-down motor



### VERTICAL & HORIZONTAL TURRET TYPE MILLING MACHINE ▶

MODEL: VH15B

- ▲ Table size: 300x1200mm
- ▲ X, Y, Z axes travel: 700 x 300 x 330mm
- ▲ X, Y, Z axes dovetail ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter: 105mm
- ▲ Spindle motor: Vertical - 5HP ; Horizontal – 4HP
- ▲ Vertical Spindle speed: 70-3800rpm variable speed
- ▲ Horizontal spindle speed: 6 steps (108-1470rpm-60HZ; 90-1225RPM-50HZ)
- ▲ Head swivel angle (R&L):  $\pm 90^\circ$
- ▲ Table swivel (R&L) :  $45^\circ$
- ▲ X axis gear box feeds



### VERTICAL & HORIZONTAL TURRET TYPE MILLING MACHINE ▶

MODEL: GS250

- ▲ Table size: 250x1100mm
- ▲ X, Y, Z axes travel: 700 x 250 x 440mm
- ▲ X, Y, Z axes dovetail ways
- ▲ Spindle Taper: NT40
- ▲ Spindle motor: Vertical - 5HP ; Horizontal – 3HP
- ▲ Vertical Spindle speed: 10 steps, 60-3600rpm
- ▲ Horizontal spindle speed: 6 steps, 70-1320rpm
- ▲ Head swivel angle (R&L):  $45^\circ$
- ▲ Table swivel  $45^\circ$  (opt.)
- ▲ X axis gear box feeds
- ▲ Table elevating motor



### VERTICAL & HORIZONTAL TURRET TYPE MILLING MACHINE ▶

MODEL: VH320B

- ▲ Table size: 300x1500mm
- ▲ X, Y, Z axes travel: 1000 x 380 x 460mm
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter: 105 mm
- ▲ Spindle motor: Vertical - 5HP ; Horizontal – 4HP
- ▲ Vertical Spindle speed: 70-3800rpm variable speed
- ▲ Horizontal spindle speed: 9 steps (90-1320rpm)
- ▲ Head swivel angle (R&L):  $\pm 90^\circ$
- ▲ X axis gear box feeds
- ▲ Y axis automatic feed by inverter
- ▲ Power table elevation
- ▲ X&Y axes leadscrew



## VERTICAL & HORIZONTAL TURRET TYPE MILLING MACHINE

MODEL: GVS-300A

- ▲ Table size: 300x1270mm
- ▲ X, Y, Z axis travel: 930 x 400 x 450mm (manual)
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter: 110mm
- ▲ Spindle motor: 5HP-4P
- ▲ Vertical Spindle speed: 90-3800rpm variable speed
- ▲ Horizontal spindle speed: 9 steps (65-1500rpm)
- ▲ Head swivel angle (R&L):  $\pm 90^\circ$
- ▲ X axis gear box feeds
- ▲ Y axis ball screw with inverter movement
- ▲ Table up-down rapid traverse

## VERTICAL & HORIZONTAL TURRET TYPE MILLING MACHINE

MODEL: GEVS-500A

- ▲ Table size: 370x1270mm / 370x1470mm (opt.)
- ▲ X, Y, Z axes travel: 930 x 520 x 440mm (manual)
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter: 110mm
- ▲ Spindle motor: 5HP-4P (inverter)
- ▲ Vertical Spindle speed: 60-3600rpm inverter variable speed
- ▲ Horizontal spindle speed: 9 steps (65-1500rpm)
- ▲ Head swivel angle (R&L):  $45^\circ$
- ▲ X & Y axes ball screw with servo motor
- ▲ Table up-down rapid traverse

## VERTICAL & HORIZONTAL TURRET TYPE MILLING MACHINE

MODEL: GEVS-600A

- ▲ Table size: 370x1270mm / 370x1470mm (opt.)
- ▲ X, Y, Z axes travel: 930 x 610 x 440mm
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Vertical Spindle Taper: NT40
- ▲ Horizontal spindle Taper: NT50
- ▲ Quill diameter: 110mm
- ▲ Spindle motor: Vertical - 5HP ; Horizontal - 7.5HP
- ▲ Vertical Spindle speed: 60-3600rpm inverter variable speed
- ▲ Horizontal spindle speed: 9 steps (65-1500rpm)
- ▲ Head swivel angle (R&L):  $45^\circ$
- ▲ X & Y axes ball screw with servo motor
- ▲ Table up-down rapid traverse



## UNIVERSAL MILLING MACHINE

MODEL: UH-1

- ▲ Table size: 240x1050mm / 300x1200mm (opt.)
- ▲ X, Y, Z axes travel: 560 x 300 x 420mm
- ▲ Horizontal spindle Taper: NT40
- ▲ Horizontal/Vertical Spindle motor: 3HP
- ▲ Horizontal Spindle speed: 6 step speeds
- ▲ Table swivel angle (R&L):  $45^\circ$
- ▲ X axis gear box feed
- ▲ Vertical head



## UNIVERSAL MILLING MACHINE

MODEL: HU-250

- ▲ Table size: 250x1100mm
- ▲ X, Y, Z axes travel: 700 x 260 x 390mm
- ▲ Horizontal spindle Taper: NT40
- ▲ Horizontal Spindle motor: 3HP
- ▲ Horizontal Spindle speed: 6 step speeds
- ▲ Table swivel angle (R&L):  $45^\circ$
- ▲ X axis gear box feed
- ▲ Table up-down rapid traverse
- ▲ Vertical head



## UNIVERSAL MILLING MACHINE

MODEL: HU-300

- ▲ Table size: 300x1270mm
- ▲ X, Y, Z axes travel: 930 x 400 x 450mm (manual)
- ▲ Horizontal spindle Taper: NT40
- ▲ Horizontal Spindle motor: 5HP
- ▲ Horizontal Spindle speed: 9 step speeds
- ▲ Table swivel angle (R&L):  $45^\circ$
- ▲ X axis gear box feed
- ▲ Y axis ball screw with inverter movement
- ▲ Table up-down rapid traverse
- ▲ Vertical head





## BED TYPE VERTICAL MILLING MACHINE ▶

MODEL: 6BIV

- ▲ Table size: 305x1370mm / 305x1524mm (opt.)
- ▲ X, Y, Z axes travel: 800/1100 x 490 x 650mm
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter 100mm
- ▲ Spindle motor: 5HP
- ▲ Spindle speed: Inverter driven variable speed
- ▲ X axis gear box feeds

## BED TYPE VERTICAL MILLING MACHINE ▶

MODEL: 5VSB

- ▲ Table size: 254x1270mm
- ▲ X, Y, Z axes travel : 775 x 430 x 550mm (manual)
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter 105mm
- ▲ Spindle motor: 5HP
- ▲ Spindle speed: 80-3800rpm variable speed
- ▲ Vertical rapid traverse

## BED TYPE VERTICAL MILLING MACHINE ▶

MODEL: VST300

- ▲ Table size: 370x1270mm
- ▲ X, Y, Z axes travel: 930 x 430 x 550mm (manual)
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Quill diameter 110mm
- ▲ Spindle motor: 5HP-4P (Inverter)
- ▲ Spindle speed: 60-3600rpm Inverter variable speed
- ▲ Head swivel angle (R&L) : 45°
- ▲ X axis gear box feed
- ▲ Z axis motorized rapid traverse
- ▲ 3 axes leadscrew movement

## BED TYPE VERTICAL MILLING MACHINE ▶

MODEL: ST300

- ▲ Table size: 370x1270mm
- ▲ X, Y, Z axes travel: 930 x 430 x 550mm (manual)
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Spindle Taper: NT40
- ▲ Spindle motor: 5HP-4P (Inverter)
- ▲ Spindle speed: 60-1500rpm Inverter variable speed
- ▲ Fixed head ( strong head)
- ▲ 3 axes ball screw with servo motor



## BED TYPE VERTICAL MILLING MACHINE ▶

MODEL: 5VF

- ▲ Table size: 406x1524mm
- ▲ X, Y, Z axes travel: 1000 x 500 x 520mm / 1200 x 500 x 720mm (opt.)
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Vertical Spindle: NT40, 5HP / NT50 (opt.)
- ▲ Vertical Spindle speed: inverter variable speed
- ▲ Quill diameter 110mm
- ▲ Table load: 800kg
- ▲ 3 axes ball screw with AC Reducer motor

## BED TYPE VERTICAL & HORIZONTAL MILLING MACHINE ▶

MODEL: VST1500

- ▲ Table size: 520x1800mm
- ▲ X, Y, Z axis travel: 1500 x 630 x 550mm
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Vertical Spindle: NT40, 5HP, turret head
- ▲ Vertical Spindle speed: 0-3600rpm inverter variable speed
- ▲ Horizontal Spindle: NT50, 7.5HP, gear head
- ▲ Horizontal Spindle speed: 6 steps , 100-590rpm
- ▲ 3 axis ball screw with servo motor
- ▲ Z axis MPG system

## BED TYPE VERTICAL & HORIZONTAL MILLING MACHINE ▶

MODEL: GST1500

- ▲ Table size: 520x1800mm
- ▲ X, Y, Z axis travel: 1500 x 600 x 550mm
- ▲ X axis dovetail way, Y, Z axes square ways
- ▲ Vertical Spindle: NT50, 10HP, gear head
- ▲ Vertical Spindle speed: 92-593rpm, 6 steps speed
- ▲ Horizontal Spindle: NT50, 7.5HP, gear head
- ▲ Horizontal Spindle speed: 6 steps , 100-590rpm
- ▲ 3 axis ball screw with servo motor
- ▲ Z axis MPG system





**UNIVERSAL MILLING MACHINE**

MODEL: 2500M

- ▲ Table size: 350x1500mm
- ▲ X, Y, Z axes travel: 1150 x 400 x 500mm (Auto.)
- ▲ X, Y, Z axes square ways
- ▲ Vertical Spindle: NT40, 5.5HP / NT50 (opt.)
- ▲ Vertical Spindle speed: 35-1600rpm(50HZ), 12 steps speed
- ▲ Horizontal Spindle: NT40, 7.5HP / NT50 (opt.)
- ▲ Horizontal Spindle speed: 12 steps, 40-1800rpm(50HZ)
- ▲ NT40 Horizontal milling arbor 27mm or 1"
- ▲ Inverter Rapid traverse on 3 axes
- ▲ Table swivel left and right 45°



**UNIVERSAL MILLING MACHINE**

MODEL: 2500UM

- ▲ Table size: 350x1500mm
- ▲ X, Y, Z axes travel: 1150 x 400 x 500mm (Auto.)
- ▲ X, Y, Z axes square ways
- ▲ Vertical Spindle: NT40, 5.5HP / NT50 (opt.)
- ▲ Vertical Spindle speed: 35-1600rpm(50HZ), 12 steps speed
- ▲ Horizontal Spindle: NT40, 7.5HP / NT50 (opt.)
- ▲ Horizontal Spindle speed: 12 steps, 40-1800rpm(50HZ)
- ▲ NT40 Horizontal milling arbor 27mm or 1"
- ▲ Inverter Rapid traverse on 3 axes
- ▲ Table swivel left and right 45°



**UNIVERSAL MILLING MACHINE**

MODEL: 2500U

- ▲ Table size: 350x1500mm
- ▲ X, Y, Z axes travel: 1150 x 400 x 500mm (Auto.)
- ▲ X, Y, Z axes square ways
- ▲ Horizontal Spindle: NT40, 7.5HP / NT50 (opt.)
- ▲ Horizontal Spindle speed: 12 steps, 40-1800rpm(50HZ)
- ▲ NT40 Horizontal milling arbor 27mm or 1"
- ▲ Inverter Rapid traverse on 3 axes
- ▲ Table swivel left and right 45°



**UNIVERSAL MILLING MACHINE**

MODEL: S-2500U

- ▲ Table size: 300x1300mm
- ▲ X, Y, Z axes travel: 950 x 380 x 450mm (Auto.)
- ▲ X, Y, Z axes square ways
- ▲ Horizontal Spindle: NT40, 5HP
- ▲ Horizontal Spindle speed: 12 steps, 50-1700rpm(50HZ)
- ▲ NT40 Horizontal milling arbor 27mm or 1"
- ▲ Inverter Rapid traverse on 3 axes
- ▲ Table swivel left and right 45°



**UNIVERSAL MILLING MACHINE**

MODEL: UH1250A

- ▲ Table size: 400x1800mm
- ▲ X, Y, Z axes travel: 1250 x 540 x 470mm
- ▲ X, Y, Z axes square ways
- ▲ Spindle: NT50, 7.5HP (5.5kw)
- ▲ Horizontal Spindle speed: 12 steps, 40-1750rpm
- ▲ Variable speed on 3 axes



**DOUBLE HOUSING PLANOMILLER**

MODEL: U2000

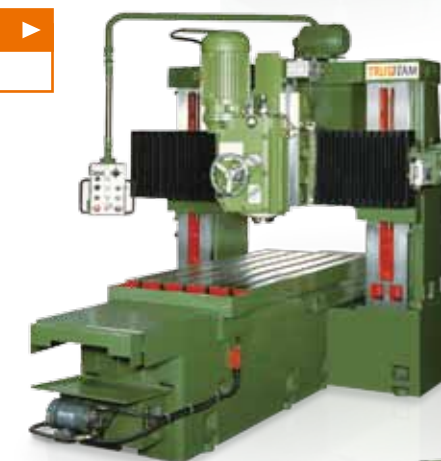
- ▲ Table size : 600x2600mm
- ▲ Max. table load : 1500kgs
- ▲ X, Y, Z axes travel : 2000 x 710 x 710mm
- ▲ X, Y, Z axes square ways
- ▲ Spindle : NT50, 15HP
- ▲ Spindle speed: 8 steps, 120-1500rpm
- ▲ Variable speed on 3 axes



**DOUBLE HOUSING PLANOMILLER**

MODEL: 1500A / 2000A

- ▲ Table size: 700x1500mm / 800x2000mm
- ▲ X, Y, Z axes travel: 1500 x 1000 x 630mm / 2000 x 1200 x 730mm
- ▲ Spindle : NT50, 10HP
- ▲ Spindle speed: 6 steps, 117-810rpm
- ▲ Spindle stroke 300mm / 400mm
- ▲ Table milling motor 2HP
- ▲ Driving by ball screw with servo motor for X axis
- ▲ Y & Z axis driven by inverter
- ▲ Horizontal beam by hydraulic
- ▲ Splash cover for left/right side beam
- ▲ Telescopic metal way cover for table



**DOUBLE HOUSING PLANOMILLER**

MODEL: 2513 / 3013

- ▲ Table size: 1000x2500mm / 1000x3000mm
- ▲ X, Y, Z axes travel: 2500 x 1300 x 780mm / 3000 x 1300 x 780mm
- ▲ Spindle: NT50, 15HP
- ▲ Spindle speed: 8 steps, 87-680rpm
- ▲ Spindle stroke 300mm
- ▲ Table milling motor 3kw
- ▲ Driving by ball screw with servo motor for X axis
- ▲ Y & Z axis driven by inverter
- ▲ Horizontal beam by hydraulic
- ▲ Splash cover for left/right side beam
- ▲ Telescopic metal way cover for table
- ▲ 6M working length is available (upon request)

