



# SANDS

**RIGID | COMPACT | PRECISE**

CNC VERTICAL MACHINING CENTER



SANDS PRECISION (P) LTD.,

| SPECIFICATIONS OF SMC 400V |   |                          |              |
|----------------------------|---|--------------------------|--------------|
| TABLE SIZE                 | Clamping Surface                        | mm X mm                  | 700 X 400    |
|                            | T-Slots (No. X Size X pitch)            |                          | 3 X 14 X 110 |
| WORKING RANGE              | Longitudinal table travel (X-Axis)      | mm                       | 500          |
|                            | Cross table travel (Y-Axis)             | mm                       | 400          |
|                            | Head stock travel (Z-Axis)              | mm                       | 525          |
|                            | Spindle Nose to table top               | mm                       | 125 - 650    |
|                            | Spindle centre to column front          | mm                       | 405          |
|                            | Max.safe weight of job on table         | Kgs                      | 250          |
| SPINDLE                    | Type                                    |                          | Cartridge    |
|                            | Nose Taper                              |                          | BT 40        |
|                            | Power                                   | KW Continuous/15 min     | 5.50 / 7.50  |
|                            | Speed                                   | RPM                      | 40 - 6000    |
| AUTOMATIC TOOL CHANGER     | Tool storage capacity                   |                          | 20           |
|                            | Tool changer type                       |                          | Twin arm     |
|                            | Type of pull stud                       |                          | DIN 69872    |
|                            | Max tool diameter(Adj. pocket occupied) | mm                       | 80           |
|                            | Max tool diameter(Adj. pocket vacant)   | mm                       | 125          |
| CONTROL SYSTEM             | CNC System                              | Fanuc/Siemens/Mitsubishi |              |
|                            | Rapid Traverse                          | met/min X / Y / Z        | 24 / 24 / 20 |
| AXIS DRIVE                 | Feed Rate                               | mm/min                   | 1-10000      |
|                            | Positioning                             | mm                       | ± 0.005      |
| ACCURACY                   | Repeatability                           | mm                       | ± 0.003      |
|                            | Floor Space                             | mm X mm                  | 2150 X 1950  |
| INSTALLATION DETAILS       | Table height from floor                 | mm                       | 850          |
|                            | Machine weight (Approx)                 | Kgs                      | 5100         |
|                            | Power supply                            | kvA                      | 15           |
|                            | Air pressure requirement                | kgs / sq cm              | 7.00         |

#### STANDARD FEATURES

Twin arm ATC  
AC servo drive  
AC spindle drive  
High precision L M guideways  
High precision ball screws  
Direct coupled axes motors  
Direct fall chip trays  
Automatic centralised lubrication.  
Full enclosure  
Bifurcated electrical cabinet  
Machine lamp.  
Panel Air conditioner  
Mounting pads

#### OPTIONAL FEATURES

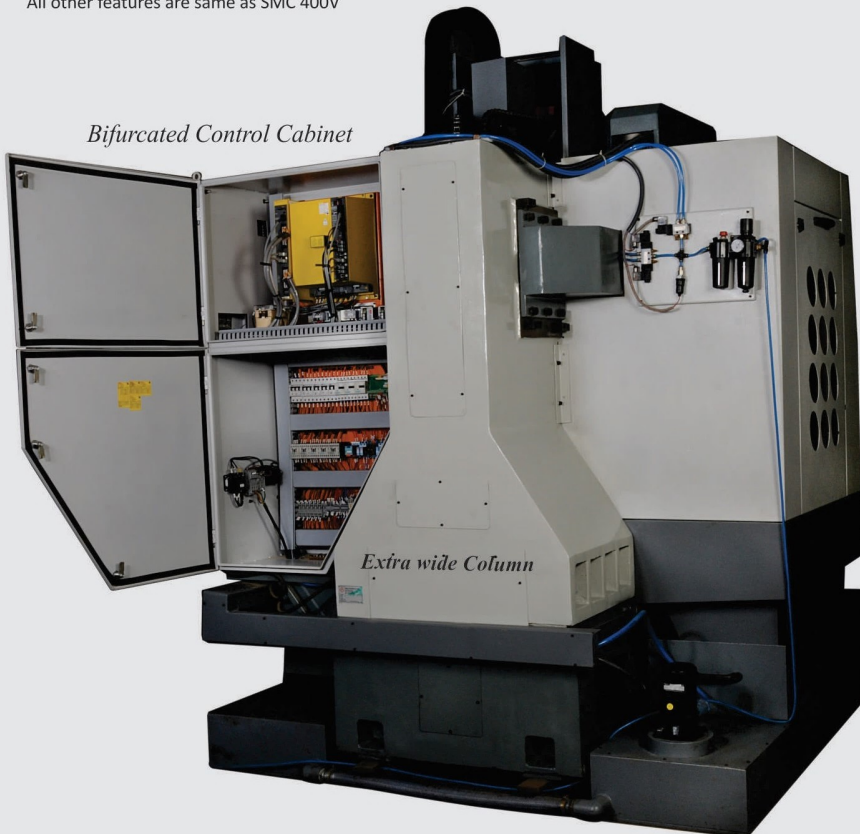
Automatic pallet changer  
Rotary as 4th axis  
Index table  
High powered spindle  
Chip conveyor  
Coolant through spindle  
Coolant filtration system  
High pressure coolant system  
Increased day light  
Fume extractor  
Voltage stabiliser  
Auto door  
Fully tool up solutions  
High speed spindle with chiller  
Machine without ATC

| STANDARD FEATURES OF SMC 400V - PC<br>( SMC 400 V WITH AUTOMATIC DUAL PALLET CHANGER) |                       |
|---|-----------------------|
| Pallet changer type   | Rotary pallet changer |
| Pallet changer mechanism  | Hydraulic             |
| Position of mounting  | Side mounted (RHS)    |
| Pallet size   | 400mm X 400mm         |
| Axis travels ( X, Y, Z)   | 400mm X 400mm X 450mm |
| Max load on each pallet   | 150 Kgs               |
| Floor space   | 2450mm X 2000mm       |
| Machine weight (Approx)   | 5400 Kgs              |

All other features are same as SMC 400V

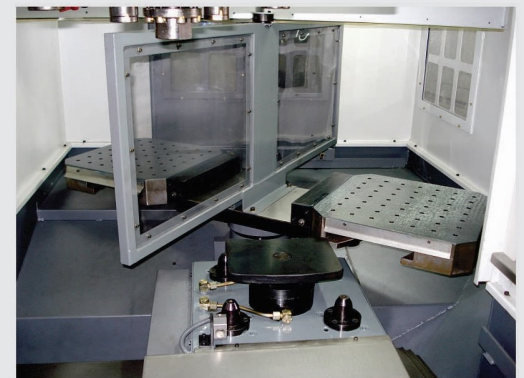


Direct fall chip tray



Bifurcated Control Cabinet

Extra wide Column



Side mounted rotary Auto Pallet Changer



## SANDS PRECISION PVT. LTD

M1, 5th cross, 1st Stage Peenya Industrial Estate, Bangalore - 560 058

Phone :- +91-80-28393808 , +91-8722801464

Email :- metalbuild@hotmail.com

Website:- <http://www.sandsprecision.co.in>

The specifications mentioned in this catalogue may be changed without notice owing to continuous upgradation of the products.