



# SANDS

**RIGID | COMPACT | PRECISE**  
CNC VERTICAL MACHINING CENTER

## SMC 450 V



SANDS PRECISION (P) LTD.,

### TECHNICAL SPECIFICATIONS OF SMC 450 V

TABLE SIZE	CLAMPING SURFACE	mm X mm	900 X 430
	T-SLOTS	No X Size X Pitch	3 X 14 X 125
WORKING RANGE	LONGITUDENAL TABLE TRAVEL ( X AXIS)	mm	600
	CROSS TABLE TRAVEL ( Y AXIS)	mm	430
	HEAD STOCK TRAVEL ( Z AXIS)	mm	510
	SPINDLE NOSE TO TABLE TOP	mm	125-635
	SPINDLE NOSE TO COLUMN FRONT	mm	435
SPINDLE	MAX WEIGHT ON TABLE	Kgs	380
	TYPE		CARTRIDGE
	NOSE TAPER		BT 40
	POWER	Kw(Cont/ 15 min)	5.50/7.50 7.50/11
	SPEED ( MAX)	RPM	6000, 8000
AUTOMATIC TOOL CHANGER	TOOL STORAGE CAPACITY		20, 24
	TOOL CHANGER TYPE		TWIN ARM
	TYPE OF PULL STUD		DIN 69872
	MAX TOOL DIA (ADJ POCKETS OCCUPIED)	mm	80
	MAX TOOL DIA (ADJ POCKETS VACANT)	mm	125
AXIS DRIVE	MAX TOOL WEIGHT	Kgs	7
	MAX RAPID TRAVERSE	met/min	30
	MAX CUTTING FEEDRATE	mm/min	8000
ACCURACY	POSITIONING	mm	0.010
	REPEATABILITY	mm	0.006
INSTALLATION DETAILS	FLOOR SPACE	mm X mm	2200 X 2100
	TABLE HEIGHT FROM FLOOR	mm	875
	MACHINE WEIGHT (Approx)	Kgs	5400
	POWER SUPPLY	kVA	20, 25
	AIR PRESSURE REQUIREMENT	Kgs/sq.cm	7

VALUES SHOWN IN RED ARE FOR OPTIONS

Specifications mentioned in this catalogue may be changed without notice owing to continuous up-gradation of the product

### 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 tooling up solutions
- High speed spindle with chiller
- Machine without ATC



Direct fall chip tray



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