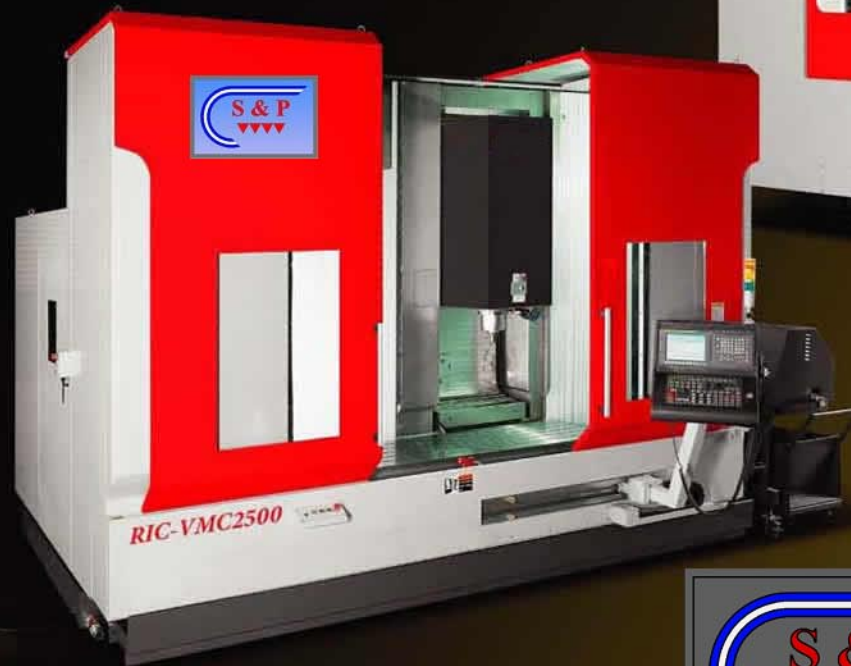


# HMC SERIES

**TRAVELING COLUMN**

**CNC H & V MACHINING CENTER**



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# HMC400

## STANDARD ACCESSORIES

1. Full splash guard
2. Automatic pallet change (2 pallets)
3. Arm type A.T.C
4. Spindle oil cooler
5. Coolant jet around spindle
6. Heat exchanger for electric cabinet
7. Chain type chip conveyor with bucket
8. Screw type chip conveyor
9. Auto lubrication system
10. Coolant system
11. Air system
12. Spindle air blast
13. Work light
14. Alarm light

## OPTIONAL ACCESSORIES

1. CAT / DIN / HSK spindle
2. Coolant through spindle
3. Linear scale
4. Auto tool length measurement
5. Workpiece measurement
6. Table with T-slots
7. Chip flushing device on top of guard
8. Chip flushing device
9. Oil mist collection device
10. Air conditioning device for electric cabinet
11. Automatic pallet change (6 pallets)

### Perfectly Designed Machine

All structural parts of the machine are manufactured from high quality Meehanite cast iron, stress relieved to ensure deformation-free year after year.

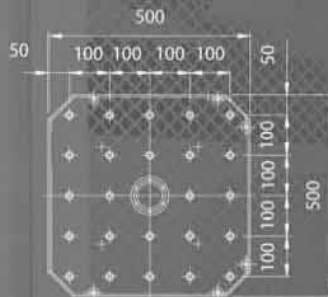
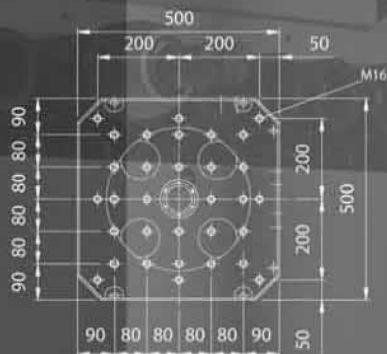
Three axes are equipped with heavy duty roller type linear ways combined with greater span between linear ways, assuring fast traverses and stable movements on 3 axes.



with superior performance

Reliability & precision lead your productivity  
to ultimate technology

# HMC500



## STANDARD ACCESSORIES

1. FANUC 0i-MC
2. Manual Guide 0i
3. BT-40 belt type 8000rpm spindle
4. Spindle coolant system
5. Cutting coolant around spindle
6. 40 tools chain type A.T.C
7. Manual pulse generator (remove type)
8. Automatic lubrication system
9. Full-enclosed splash guard
10. Screw type chip conveyor on both side
11. Coolant shower on machine top
12. Work light
13. Indication light

## OPTIONAL ACCESSORIES

1. FANUC 18i-MB
2. Link belt type chip conveyor & cart
3. Coolant through spindle 15 bar
4. X / Y / Z axes scale
5. Tool length measurement
6. Workpiece measurement



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# HMC600

## STANDARD ACCESSORIES

1. Spindle oil cooler
2. Rigid tapping
3. Manual pulse generator
4. Tool box
5. Work light
6. Auto power off & alarm light
7. Chip conveyor with cart

## OPTIONAL ACCESSORIES

1. Built-in spindle
2. Linear scale
3. Coolant through tool
4. Oil tool holder
5. 4th axis interface
6. CNC 4th rotary table
7. Tilting rotary table



lead your productivity

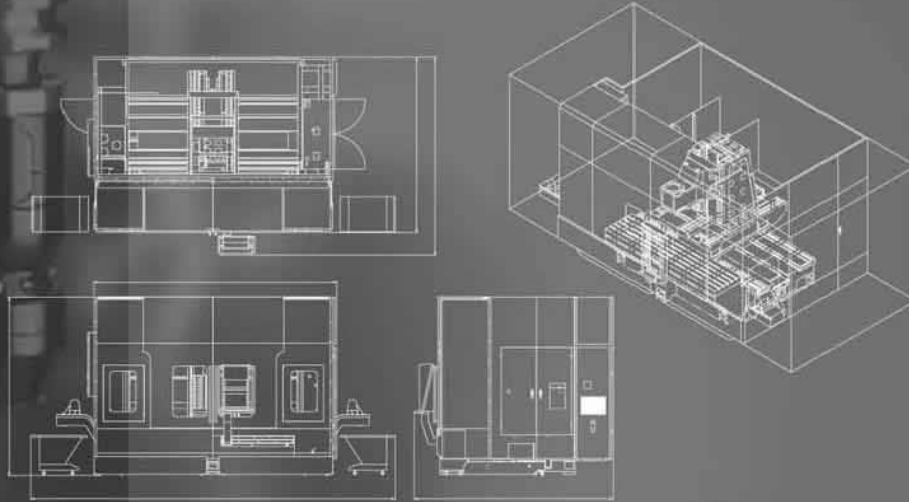
Reliability &  
to ultimate

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ITEM / MODEL	UNIT	RIC-HMC400	RIC-HMC500	RIC-HMC600	RIC-VMC2500	RIC-VMC-3500	RIC-VMC4500
<b>TABLE</b>							
Table size	mm	400x400	500x500	2500x600	2500x600	3500x600	4500x600
Max. load	kgs	400	500	1000		1000	
Table indexing unit		0.001° / 1° or 5° (Opt.)	0.001° / 1° (Opt.)	non		non	
<b>TRAVEL</b>							
X / Y / Z-axis	mm	600 / 550 / 500	580 / 580 / 580	2000 / 600 / 550	2000 / 600 / 550	3000 / 600 / 550	4000 / 600 / 550
Spindle nose to table center	mm	130~630	200~780	155~460	(Spindle nose to table) 180~740		
Spindle center to table surface	mm	50~600	100~680	125~685	(Spindle center to column) 675		
<b>AXIS FEED</b>							
X / Y / Z ball screw - diameter	mm	Ø50 / Ø40 / Ø50	Ø40 / Ø40 / Ø40	Ø50 / Ø50 / Ø50	Ø50 / Ø50 / Ø50	Ø63 / Ø50 / Ø50	Ø63 / Ø50 / Ø50
X / Y / Z ball screw - pitch	mm	12 / 12 / 12	16 / 16 / 16	16 / 16 / 12	16 / 16 / 12	16 / 16 / 12	16 / 16 / 12
X / Y / Z rapid feedrate	M/min	36 / 36 / 36	48 / 48 / 48	30 / 30 / 20		30 / 30 / 15	
<b>SPINDLE</b>							
Spindle speed	rpm	10,000	8,000	6,000		10,000	
Spindle diameter	mm	Ø70	Ø70	Ø120		Ø70	
Spindle taper		BT-40	ISO-40	BT-50		BT-40	
<b>ATC SYSTEM</b>							
Max. tool diameter	mm	Ø80	Ø80	Ø125		Ø80	
Max. tool length	mm	200	300	400		350	
Max. tool weight	kgs	8	7	15		8	
Tool capacity	tools	30 (Arm type)	40 (Chain type)	40 (Chain type)		24 (Disc type)	
<b>MOTOR</b>							
Spindle motor	kw	5.5 / 7.5	7.7 / 11	7.5 / 11		7.5 / 11	
X / Y / Z motor	kw	4.4 / 4.4 / 4.4	4 / 4 / 4	7 / 7 / 8		7 / 7 / 8	
Coolant pump motor	kw	0.86	0.86	1.3		1.3	
Lubrication pump motor	w	50	50	120		120	
Air Pressure required	kg/cm <sup>2</sup>	6	6	6		6	
<b>MEASUREMENTS</b>							
Machine weight	kgs	10000	10000	15000	14000	18000	21000
Machine dimension (LxWxH)	mm	4000x5000x2800	4800x2450x2450	6200x3400x3100	6200x3400x3100	7400x3400x3100	8600x3400x3100

\* Specifications and designs are subject to change without prior notice

# VMC2500/3500/4500

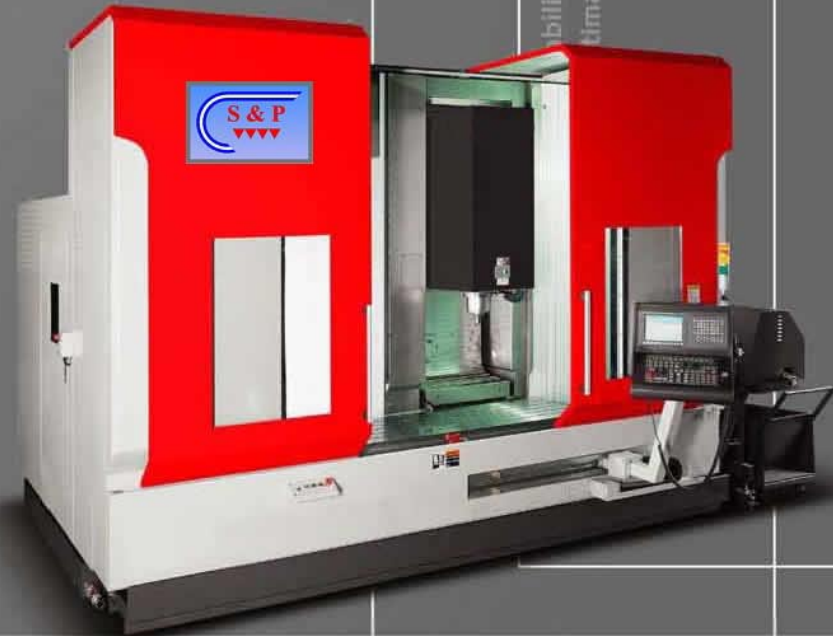


## STANDARD ACCESSORIES

1. Spindle oil cooler
2. Rigid tapping
3. Manual pulse generator
4. Tool box
5. Work light
6. Auto power off & alarm light
7. Chip conveyor with cart

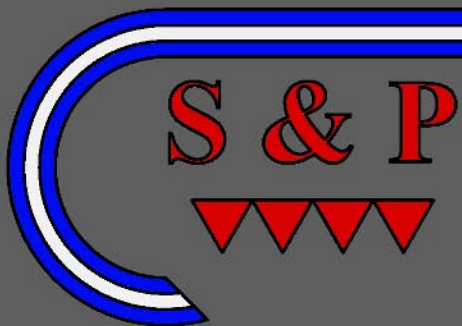
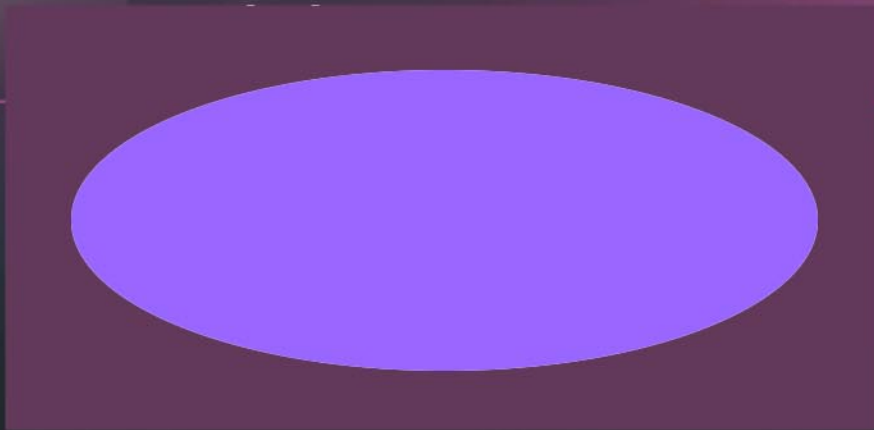
## OPTIONAL ACCESSORIES

1. Built-in spindle
2. Linear scale
3. Coolant through tool
4. Oil tool holder
5. 4th axis interface
6. CNC 4th rotary table
7. Tilting rotary table



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