

**M/s. Hitech Auto Parts**  
**Karoli Indl Area, Distt. Alwar**  
**Rajasthan**

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**BHARAT FRITZ WERNER LTD.,**

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REF:	Our Telephonic Discussion	QUOTATION NO. :	1	DATE :	10th Jan'24
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1	<p><b>CNC VERTICAL MACHINING CENTER, Model: Virat 1530</b> <b>with following standard features :</b></p> <p><b>T r a v e r s e s</b></p> <ul style="list-style-type: none"> <li>• X axis stroke 3000mm</li> <li>• Y axis stroke 1700mm</li> <li>• Z axis stroke 1000mm</li> </ul> <p><b>T a b l e</b></p> <ul style="list-style-type: none"> <li>• Table size 3200mm X 1500mm</li> <li>• Table Working Area 3000mm x 1500mm</li> <li>• `T' Slots of Size 22 mm X15X 200 (width x number x pitch)</li> <li>• Maximum Load on Table 8000 Kgs.</li> </ul> <p><b>D i s t a n c e s</b></p> <ul style="list-style-type: none"> <li>• Effective Distance Between Columns 1800 mm</li> <li>• Distance from Table top to Spindle Face 200 – 1200 mm approx</li> <li>• Distance from Floor to tabletop 820 mm approx</li> </ul> <p><b>S p i n d l e</b></p> <ul style="list-style-type: none"> <li>• Inline Drive Spindle 15 kW (18.5 KW S2 Duty)</li> <li>• Variable Spindle Speed 6000 rpm</li> <li>• Spindle nose taper BT-50</li> </ul> <p><b>F e e d D r i v e s</b></p> <ul style="list-style-type: none"> <li>• AC Servo drives</li> <li>• Hardened &amp; ground Ball Lead Screws in all three axes</li> <li>• Linear Motion Roller guide ways in X, Y and Z axes.</li> <li>• Feed rate 1-10000 mm/min</li> <li>• Rapid feed rate (X,Y &amp; Z) 15/20/15 m/min.</li> <li>• Positioning measuring system using rotary encoder</li> <li>• Hydraulic counter balancing for Z-axis</li> </ul> <p><b>Accuracy: As per ISO 230-2 (without /with glass scales)</b></p> <ul style="list-style-type: none"> <li>• Positioning 25 microns/ 15 microns</li> <li>• Repeatability 20 microns/12 microns</li> </ul>	1,40,00,000
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**Automatic Tool changer**

- No. of tools 20
- Type of tool selection Random
- Tool change time (tool to tool) 10 Secs  
Max. tool dia 130 mm
- with adjacent pocket empty 220 mm
- Max. tool length 350 mm
- Max. tool weight 15 Kg.
- Pull Stud Type MAS P50T-I
  
- Automatic lubrication system
- 3 Tier Lamp
- Machine lamp
- Instruction manuals
- Standard Electrical
- Installation accessories
- A. C. Unit for Electrical Cabinet
- Air gun
- Coolant Gun
- Coolant system with tank and chip tray
- Coil conveyors
- Standard machine guard
- Mobile MPG
- Hydraulic power pack for clamping and declamping of tool
- Spindle air blast for spindle taper cleaning

**FANUC OiMF CNC CONTROL SYSTEM**

- 4 axes control
- 8.4" Color LCD
- 512 KB Part Program memory length
- Custom Macro B
- Inch/metric conversion
- Background editing
- Run hour & Parts count display
- Mirror Image
- Backlash Compensation
- Dry run
- Linear & Circular interpolation
- Automatic corner override
- Scaling
- RS 232C Serial interface port
- Rigid tapping
- Manual pulse generator
- Graphics
- Pitch error compensation
- NANO control
- Embedded Ethernet
- Retraction for Rigid tapping

<b>2</b>	<b>MACHINE OPTIONS:</b>	
2.1	Spindle Chiller unit	1,80,000
2.2	Slat type conveyor for steel and long curly chips in lieu of coolant tank	3,02,500
2.3	Scraper type chip conveyor for cast iron and steel chips in lieu of coolant tank	2,75,000
2.4	Scraper type chip conveyor with drum filtration for Aluminium and cast iron chips in lieu of coolant tank	3,24,500
2.5	Linear glass scale feedback in all three axis	13,00,000
2.6	Coolant through tool facility @ 16 bar with Hydro Cyclone and Bag filtration (applicable for belt driven spindle)	3,85,000
2.7	Inline Spindle Gear box drive @ 6000rpm with chiller unit to gear box (NA for CTS) Spindle power 22Kw/26Kw	10,00,000
2.8	Manual UVMH head with parking station	7,00,000
<b>3</b>	<b>CNC OPTIONS :</b>	
3.1	Manual Guide for Fanuc OiMF	38,500
3.2	Alarm Diagnostics Fanuc OiMF	27,500
3.3	Memory expansion upto 2MB in FANUC OiMF	30,000
3.4	Machining condition selection for Fanuc OiMF	38,500
3.5	Dynamic Graphic Display for Fanuc OiMF	1,37,500
3.6	AICC -II with 200 lookahead	75,000
3.7	AICC -II with 400 lookahead	1,50,000
<b>4</b>	<b>MACHINE ACCESSORIES :</b>	
4.1	OEM PCMCIA Card	27,000
4.2	Ring Coolant around spindle	16,500
4.3	Pull stud 20 nos	15,000
4.4	Air Nozzle near spindle with M code	8,250
4.6	Renishaw Probe – RMP60-Q	On request
4.7	Edge Finder – BT50	24,200
<b>5</b>	<b>Full Case packing</b>	<b>3,50,000</b>

**TERMS & CONDITIONS :**

- VALIDITY** : This quotation is valid for a period of 30 days from today
- DELIVERY** : Ready for inspection within 4-5 months from the date of receipt of firm order with advance and after clarifying all the technical & commercial points. Deilivery indicated is subject to re-confirmation at the time of order finalisation.
- PAYMENT** : 40% advance alongwith purchase order. Balance against Proforma Invoice after inspection, before despatch of the machine.
- INSPECTION** : At our works by your representative
- TERMS OF SUPPLY** : Price quoted above are Ex-Works, Bangalore, exclusive of Packing, Excise Duty, Sales Tax, Octroi, Freight, Insurance & other Govt. levies if any, which will be charged extra as applicable at the time of despatch.  
The quotation is subject to the Terms & Conditions as per enclosed Format No. QFT-5008-R00.
- PRESENT RATE OF TAXES** : 18% IGST OUTISDE KARNATAKA  
: 9% CGST ; 9% SGST WITHIN KARNATAKA

For  
**BHARAT FRITZ WERNER LTD.,**

**Ravindra Kumar-9310835091**

**Deputy Mgr-Sales**