

Hello,

We are very pleased to present the following machine for your review and approval:

## 1999 Haas VF-3

### Vertical Machining Center

X Axis Travel: 40"  
Y Axis Travel: 20"  
Z Axis Travel: 25"  
Table Size: 18" x 48"  
Spindle Motor: 30 hp  
Spindle Speed: 10,000 RPM  
Spindle Taper: CT 40  
Tool Changer: 20 ATC

#### -EQUIPPED WITH-

Chip Augur  
16mb Extended Memory  
High Speed Machining  
Programmable Coolant  
Quick Code  
4th Axis prep  
Delta Wye Transformer  
Macro Code  
Coordinate Scale  
Rigid Tapping  
Brand new gear box installed by HFO at over \$11k



PRICE.....\$19,500

Best Regards,

**Mike Heim - Sales Manager**



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# VERTICAL DATA CHECKLIST

**GENERAL INFORMATION**

Model # VF-3 Serial # 17498  
 Ship Date 04-99 MON 30 SW Version 30.08  
 Software Version# 1006F Floppy SW Version 2.18  
 Control Serial # 144-04-99 MoCon ROM SW Version 10.02  
 CHAR SV SW Version 5V1-5

**CONTROL SPECIFICATIONS**

Part Number	(Rev)	Part Number	(Rev)
Processor <u>32-3016C</u>	<u>A</u>	Axis Driver / Amp. <u>32-5350B</u>	<u>F</u>
Motor Int. <u>N 1A</u>	<u>A</u>	Aux. Driver / Amp. <u>32-5350B</u>	<u>F</u>
MoCon PCB <u>32-4029T</u>	<u>B</u>	Video Monitor <u>32-5220A</u>	<u>B</u>
Video/Floppy PCB <u>32-3201C</u>	<u>A</u>	Lo Volt. PSU <u>93-6262</u>	<u>A</u>
Servo Dist. <u>N 1A</u>	<u>A</u>	Transformer <u>32-5800C</u>	<u>A</u>
I/O PCB <u>32-3080P</u>	<u>DEW</u>	Spindle Drive <u>69-1000</u>	<u>T</u>
Power PCB <u>93-1085</u>	<u>A</u>	Spindle Drive Serial # <u>7156</u>	
Axis Driver / Amp. <u>N 1A</u>	<u>A</u>		

**MECHANICAL SPECIFICATIONS**

Drawbar Part# 30-3410F XHC  
 Spindle 50 Taper 30-3410F  
 Spindle Motor (Gearbox) 30-3500C  
 Motor Make: Leeson / Baldor (Unicon) 32-6005  
 Coolant Tank Assy. 62-0014  
 X, Y, Z-Axis Motor Assy. 32-3201  
 Tool Release Piston Assy.

**OPTIONS** Circle or fill in applicable.

Brushless Servos	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	32 Pocket Tool Changer	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Maximum RPM	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	BT Tool Changer	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Probe Ready	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	4th Axis (Brush/Brushless)	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Floppy Drive	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	5th Axis (Brush/Brushless)	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Chip Conveyor	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	Hi Volt. X-Fmr	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Extended Mem.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	Δ / WVE	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Thru Spindle Clint.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	Macro Code	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
1000 Blocks/Sec.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	Coord. Scale	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Prog. Coolant	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	Rig-d Tap	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Quick Code	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO	Safety Circuit	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

\* If adding an option, make sure the P/N above is correct.

Control Inspected By: PHILIP R. BIES  
 Machine Squared By: PHILIP R. BIES  
 Enclosure Built By: PHILIP R. BIES  
 Final Inspection By:





