

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



Two Spade Machinery LLC

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VERTICAL DATA CHECKLIST

GENERAL INFORMATION

Model # VF-3
 Ship Date 10/29/99
 Software Version # 1006F
 Control Serial # 144-04-99

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/A</u>	<u>A</u>	Aux. Driver / Amp. <u>32-5350B</u>	<u>B</u>
MoCon PCB <u>32-4023T</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>93-1962</u>	<u>A</u>
Servo Dist <u>N/A</u>	<u>-</u>	Transformer <u>32-5802G</u>	<u>A</u>
I/O PCB <u>32-3018P</u>	<u>D/E</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>	<u>-</u>
Axis Driver / Amp. <u>N/A</u>	<u>-</u>		

MECHANICAL SPECIFICATIONS

Part Number (VARIATION)
Drawbar Part # <u>30-3410E XHC</u>
Spindle x 10/50 Taper <u>30-0319A</u>
Spindle Motor (Gearbox) <u>30-550C</u>
Motor Make: Leeson / Baldor <u>Lincoln</u>
Coolant Tank Assy. <u>32-0205</u>
X, Y, Z-Axis Motor Assy. <u>30-0214</u>
Tool Release Piston Assy. <u>30-3201</u>

OPTIONS Circle or fill in applicable.

Brushless Servos <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	32 Pocket Tool Changer <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
Maximum RPM <input checked="" type="checkbox"/>	7.5K <input type="checkbox"/>	BT Tool Changer <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Probe Ready <input checked="" type="checkbox"/>	10K <input type="checkbox"/>	4th Axis (Brush/Brushless) <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
Floppy Drive <input checked="" type="checkbox"/>	NONE <input type="checkbox"/>	5th Axis (Brush/Brushless) <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Clip Conveyor <input checked="" type="checkbox"/>	Pendant <input type="checkbox"/>	Hi Volt. X-Fmr <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
Extended Mem. <input checked="" type="checkbox"/>	1MB / 4MB / 8MB / 16 MB <input type="checkbox"/>	△ / WYE <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Thru Spindle Cnt. <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	Macro Code <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
1000 Blocks/Sec. <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Door Scale <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
Prog. Coolant <input checked="" type="checkbox"/>	YES <input type="checkbox"/>	Rigid Tap <input checked="" type="checkbox"/>	YES <input type="checkbox"/>
Quick Code <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Safety Circuit <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

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

PRINT NAME
 Control Inspected By: PMZ Run By: PMZ
 Machine Squared By: PMZ M. PMZ
 Enclosure Built By: PMZ
 Final Inspection By: PMZ

EA-0000-0 5/99



