

# WHAT'S UNDER THE

# HOOD?

## EQUIPMENT LIST

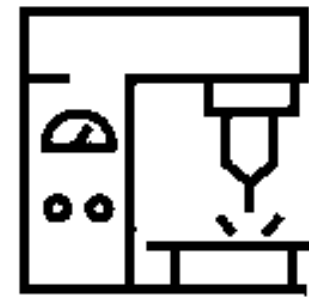
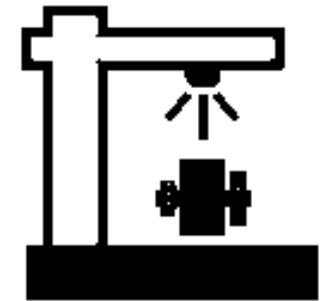
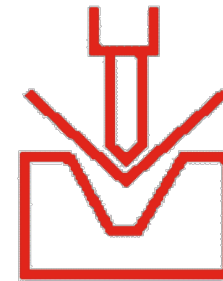
**etiFAB**<sup>®</sup>  
THE METAL FABRICATION EXPERTS

## THE FABRICATION EXPERTS

(800) 234-4239

17055 Oak Ridge Road | Westfield, IN 46074

# etiFAB



# CNC EQUIPMENT

## HAAS VF-2SS 2005A (4 MACHINES AVAILABLE)

12K RPM SPINDLE, HIGH SPEED  
TOOL CHANGER, CAT 40 SPINDLE TAPER

### MACHINE SPECIFICATION

SPINDLE TAPER	CAT 40 (BIG PLUS)
X-AXIS TRAVEL	33.5"
Y-AXIS TRAVEL	27.6"
Z-AXIS TRAVEL	29.5"
TOOL CHANGER	24 STATION HIGH SPEED ATC
FEED RATES	1400 IPM



## OKUMA CAPTAIN L 370 M (1 MACHINE AVAILABLE)

CNC Lathe

### MACHINE SPECIFICATION

Maximum turning length (Z-axis)	19.7 in
Turning diameter over bed (max)	20.8 in
Turning diameter over cross slide (max)	16.5 in
Maximum travel length in the X-axis	10.2 in
Maximum feed rate in X-axis	787 in/min
Maximum feed rate in Z-axis	984 in/min
Maximum power of the main spindle	30 hp
Diameter of the spindle bore	3.2 in
Minimum rotary speed of the main spindle	39 rpm
Maximum rotary speed of the main spindle	3900 rpm
Total number of tools in the turret	12 pcs
Tailstock quill diameter	3.5 in
Maximum travel length of the tailstock quill	4.7 in
Length of the lathe	87 in
Width of the lathe	68 in
Weight of the lathe	4.8 short ton



### Equipped With:

OKUMA 200 L	Chip transporter
C-axis synchronous	

# ADDITIONAL EQUIPMENT

MACHINE TYPE	MANUFACTURE	MODEL
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## WELDING

Spot Welder	Amada	ID-40-ST
Spot Welder	Amada	ID-40-ST
Spot Welder	Amada	ID-40-ST
Welder	Miller	SyncroWave 350
Welder	Miller	SyncroWave 350 LX
Welder	Miller	SyncroWave 250

## ASSEMBLY

Insertion Press	Hager	HP6-C
Insertion Press	Hager	HP6-C
Insertion Press	Hager	618-IL
Insertion Press	Hager	HP6-C-2

# METAL FABRICATION EQUIPMENT

## CINCINNATI INC CL-440 LASER CUTTERS



### MACHINE SPECIFICATION

Laser Output	4000 Watts
X-Axis Travel	120"
Y-Axis Travel	60"
Workload Capacity	2,292 Lbs.
Max. Cutting Capacity (Mild Steel)	1"
Max. Cutting Capacity (Stainless)	5/8"
Max. Cutting Capacity (Aluminum)	1/2"
Absolute Positioning	+/- 0.001"
Repeatability (X & Y)	.001"
Simultaneous (X & Y Axis)	12,020 IPM

### Equipped With:

Cincinnati PC Based CNC Control  
Fanuc C4000i 4 KW Resonator  
Brushless Linear Motors  
Dual Automatic Pallet Changer System  
Edge Sheet Detection  
Rapid Pierce

Auto Fucs Head with 10", 7.5", & 5" Cutting Lenses  
High Speed Z-Axis  
High Resolution Linear Encoders  
Lens Failure Detection  
Programmable High Pressure Assist Gas  
Chiller

## FINN POWER P5FB (2 MACHINE AVAILABLE) TURRET PUNCH



### MACHINE SPECIFICATION

Max Tonnage:	25
Actuation Type:	Hydraulic
CNC:	Fanuc 16P
Max Sheet Size (inch):	(L) 50.000 x (D) 51.000"
W/1 Repositioning (inch):	(L) 100.000 x (D) 51.000
Hit Rate (1" centers):	320 str/min
Nibble Rate:	600 str/min
Max Hole Diameter:	3.500 Inches
Punching Accuracy:	+/-0.001 Inches

## CINCINNATI INC 90T (3 MACHINES AVAILABLE) PRESS BRAKES

### MACHINE SPECIFICATION

Maximum Tonnage Capacity	90 Ton
Overall Length Of Bed & Ram	12'
Distance Between Housings	10'6"
Throat Depth	7"
Stroke Length (Option)	14"
Open Height	21"
Shut Height	7"
Main Motor (460/3/60)	15 HP

### Equipped With:

Cincinnati 3-Axis CNC Control  
2-Axis CNC Back Gauge (X-24", R-8")  
Palm Button Controls



14" Extended Stroke  
Electric Foot Switch Controls  
12' Lower Die Holder

## CINCINNATI INC 60T (1 MACHINE AVAILABLE) PRESS BRAKES

Tonnage:	60
Bed/Ram:	6'
Bed Width:	3 1/2"
Between Housings:	4'6"
Open Height:	17"
Shut Height:	9"
Bed Height:	34"
Stroke:	8"
Throat:	10"
Lowering Speed:	180 IPM
Bending Speed (Low, Medium, High):	10, 35, 70 IPM
Rising Speed:	195 IPM
Motor:	7 1/2 HP

### Equipped With:

Cincinnati Proformance 2 Axis CNC Back Gauge, Electric Foot Pedal, Die Rail and Backgage



**STAMTEC G1-160  
(2 MACHINES AVAILABLE)**

STAMPING PRESS

**MACHINE SPECIFICATION**

Capacity:	160 Tons
Stroke:	8"
Slide Adjustment:	3.94"
Shut Height:	17.7"
Speed:	40 SPM
Bed Area:	49" x 31.5"
Slide Area:	28" x 21.5"

**Equipped With:**

Air Clutch and Brake, Air Counterbalances, Controls



**STAMTEC G1-110  
(2 MACHINES AVAILABLE)**

STAMPING PRESS

**MACHINE SPECIFICATION**

Capacity:	120 Tons
Stroke:	3.15"
Max Shut Height To Bolster:	15.75" SDAU
Bed Area:	45.25" RL X 21.25" FB
Speed:	50 – 100 SPM
Ram Adjustment:	3.15" MOTORIZED
Ram Area:	25.5" RL X 18.5" FB (T-SLOTTED)
Bolster Plate:	4.75" H X 45.25" RL X 23.5" FB (T-SLOTTED)
Dist Uprights/Floor To Bed	24.25" / 28.5"

**Equipped With:**

Air Clutch and Brake, Air Counterbalances, Controls

**HAAS TL-1 2005A  
(1 MACHINE AVAILABLE)**

**MACHINE SPECIFICATION**

Chuck Size	8" 3 Jaw Chuck
Max. Swing Over Bed/Cross Slide	16"/8.5"
Max. Cutting Diameter	16"
Max. Machining Length	30"
X-Axis Travel	8"
Z-Axis Travel	30"
Spindle Motor 30 Min. / Cont.	7.5 HP
Spindle Speed	1,800 RPM
Spindle Nose / Bore	A2-5"/2.31"
Turret Type	Gang Style
Rapid Traverse (X/Y)	75 IPM/150 IPM
Tailstock Center	MT #3



**OKUMA LU300-M  
(1 MACHINE AVAILABLE)**

CNC LATHE W/ LIVE MILLING

**MACHINE SPECIFICATION**

US Standard Metric	
Maximum Swing over Bed:	20.87"
Max Turning Diameter:	14.57"
Maximum Distance Between Centers:	23.62"
Cross Travel (X-Axis) Upper Slide Above Center:	10.23"
Cross Travel (X-Axis) Lower Slide Below Center:	5.51"
Longitudinal Travel (Z-Axis) Upper Slide:	25.2"
Longitudinal Travel (Z-Axis) Lower Slide:	24.21"
C-Axis Indexing:	001°
Rapid Traverse (X-Axis):	787 IPM
Rapid Traverse (Z-Axis):	984 IPM
Rapid Traverse (C-Axis):	200 RPM
Spindle Bore:	2.44"
Spindle Speed Range:	75 - 5000 RPM



**Equipped With:**

Okuma OSP P200 CNC Control  
Live Tooling

C-Axis  
Upper and Lower Simultaneous Tool Turrets