

## Horizontal Machining Centers

### Kitamura MyCenter HX300iF Horizontal

- Control> 16i-MB
- X-axis Travel> 20 inches
- Y-axis Travel> 20 inches
- Z-axis Travel> 19 inches
- Rapid Traverse> 1969 ipm
- Max Spindle Speed> 20,000 rpm
- Big Plus Spindle
- Tool Capacity> 40
- Full 4th axis Rotary
- 8) Kurt 6" Vises, 300mm Base Plate
- High Pressure thru Spindle Coolant

## Vertical Machining Centers

### Leadwell V-40

- Control> 21-M
- X-axis Travel> 40 inches
- Y-axis Travel> 20 inches
- Z-axis Travel> 20 inches
- Rapid Traverse> 969 ipm
- Max Spindle Speed> 8,000 rpm
- Tool Capacity> 20

### Leadwell V-30

- Control> 21-M
- X-axis Travel> 30 inches
- Y-axis Travel> 20 inches
- Z-axis Travel> 20 inches
- Rapid Traverse> 1889 ipm
- Max Spindle Speed> 8,000 rpm
- Tool Capacity> 20

### Leadwell V-40

- Control> Oi-MC
- X-axis Travel> 40 inches
- Y-axis Travel> 20 inches
- Z-axis Travel> 20 inches
- Rapid Traverse> 1417 ipm

- Max Spindle Speed> 10,000 rpm
- Tool Capacity> 20
- High Pressure thru Spindle Coolant
- Spindle Chiller
- Golden Sun Full 4th Axis

### Leadwell V-30

- Control> Oi-MC
- X-axis Travel> 30 inches
- Y-axis Travel> 20 inches
- Z-axis Travel> 20 inches
- Rapid Traverse> 1889 ipm
- Max Spindle Speed> 8,000 rpm
- Tool Capacity> 20

### Leadwell V-30

- Control> 18-M
- X-axis Travel> 30 inches
- Y-axis Travel> 20 inches
- Z-axis Travel> 20 inches
- Rapid Traverse> 1889 ipm
- Max Spindle Speed> 8,000 rpm
- Tool Capacity> 20

# Turning Centers

## Leadwell T-7

- Control> Oi-TD
- X-axis Travel> 13 inches
- Z-axis Travel> 22 inches
- Chuck> 8"
- Bar Capacity> 2.5"
- Rapid Traverse> 1417 ipm
- Max Spindle Speed> 4,500 rpm
- Tool Capacity> 12
- Programmable Tail Stock
- Tool Setter

## Haas ST-30y

- Control> Haas
- X-axis Travel> 18 inches
- Z-axis Travel> 23 inches
- Y-axis Travel> 4 inches
- C-axis
- Live Tooling
- Chuck> 10"
- Spindle Orientation
- Programmable Tail Stock
- Bar Capacity> 3.0"
- Rapid Traverse> 945 ipm
- Max Spindle Speed> 3400 rpm
- Tool Capacity> 12
- Tool Setter

## Leadwell T-6

- Control> O-T
- X-axis Travel> 9 inches
- Z-axis Travel> 17 inches
- Chuck> 6"
- Bar Capacity> 2"
- Rapid Traverse> 944 ipm
- Max Spindle Speed> 6,000 rpm
- Tool Capacity> 12

## Leadwell LTC 20 AP

- Control> O-T
- X-axis Travel> 11 inches
- Z-axis Travel> 20 inches
- Chuck> 8"
- Bar Capacity> 2.5"
- Rapid Traverse> 944 ipm
- Max Spindle Speed> 4,500 rpm
- Tool Capacity> 8

## Haas SL-30

- Control> Haas
- X-axis Travel> 18 inches
- Z-axis Travel> 23 inches
- Chuck> 10"
- Bar Capacity> 3.0"
- Rapid Traverse> 945 ipm
- Max Spindle Speed> 3400 rpm
- Tool Capacity> 12
- Tool Setter
- Servo Auto Door

## Quality Control – Coordinate Measuring Machines (CMM)

### **Zeiss Contura G2 7/7/6**

- X-axis Travel > 700 mm
- Y-axis Travel > 700 mm
- Z-axis Travel > 600 mm
- Calypso Software
- Computer, 32" & 24" Monitors, Printer, Software, Backup
- Vast XT Head with Aktiv Scanning
- 20+ Probes and Acc
- Rayco Cmm Clamping Fixture

### **Brown & Sharp Gage 2000**

- X-axis Travel > 22 inches
- Y-axis Travel > 29.5 inches
- Z-axis Travel > 19 inches
- PC Dimis & Tutor Software Software
- Computer, Software, Printer, Backup
- Renishaw Probe
- 20+ Probes and Acc
- Z Mouse Control
- Lista CMM Cabinet/Table

## Other Precision Measuring Equipment

### **Brown & Sharp Micro Hite Model 600**

- Measuring Range > 24 inches

### **MicroView Comparator Model H-14**

- MicroView Q-16 Computer Model H-17

## **Supporting Quality Equipment**

**Mitutoyo SJ-201 Profilometer**  
**Surface Plate 24" x 36" Grade A**  
**Custom Built Stand for Plate**  
**Calipers to 24" Measuring Range**  
**Outside Micrometers to 12" Measuring Range**  
**Digital Outside Micrometers .0001 Res to 5"**  
**Blade Micrometers to 5"**  
**Digital Blade Micrometers .0001 Res to 3"**  
**Thread Micrometers to 3"**  
**Calibrating Gage Block to 4"**  
**Plug Gages .015" to 1"**  
**Bausch & Lomb StereoZoom 7 Microscope**  
**Nikon MK II Light Source**  
**Dial Test .165-.394 Range**  
**Dial Test .380-.830 Range**  
**Mitutoyo Indicating Micrometer to 2"**  
**Various Size Thread Plug and Ring Gages**  
**Various Styles, Indicators and Accessories**  
**Other Misc. Equipment**  
**V-Blocks, Parallels, Holding Fixtures, Setting Rings, Etc.**  
**Equipto Gage Cabinet 13 Drawer 36" x 36"**

## **Supporting Equipment – Machine Tooling / Accessories**

**6" Kurt Anglelock Vises, Qty> 14**  
**8" Kurt Anglelock Vises, Qty> 1**  
**6" Chic Precision Vises, Qty> 3**  
**4" Chic Precision Vises, Qty> 3**  
**Mill Tool Holders for all Mills, Qty> Approx. 150**  
**Lathe Tools, Turn, Bore, Groove, C/O, Misc.. For all Lathes**  
**Jaws, Fixtures, Angle Plates, Parallels, Mandrels, Clamps, Etc.**  
**Yuasa Programmable Double Index Head Model, UDX-5CA-2-1. Control Model, UDC-100**  
**Hardinge GD5C2 Programmable Index Head Fail Safe Pneumatic Collet Closer**  
**Digital Indexer Control**  
**Hardinge GD5C2 Programmable Index Head Manual Collet Closer**  
**Digital Indexer Control**  
**Yuasa 8" Super Spacer**  
**5c Manual Index Heads Qty> 4**

## **Supporting Equipment – Manual Equipment**

**Bridgeport Mill Series 1, 48" Table. Horizontal Attachment**  
**Clausing Lathe 13", 8" Chuck, 5c Attachment, Drill Chucks, Live Centers, Misc Tooling**  
**Hardinge Tool Room Lathe Model HLV-H, Assorted Tooling**  
**Hardinge Chucker Precision Turrent Lathe, Vertical Slide, Assorted Tooling**  
**K.O. Lee Tool & Cutter Grinder, Model BA960**  
**K.O. Lee Attachment, Spin Fixture, Model B943**  
**K.O. Lee Attachment, Precision Index Head**  
**Harig Super 618 Surface Grinder 18 x 7 Travel**  
**Myford Hydraulic Cylindrical Grinder, Model MG-12-H, 3 x 13 Travel, Assorted Tooling**  
**DoAll Automatic Cut-Off Saw 9 x 16 Travel, Model C-916M**  
**Power Matic 20" Metal Working Band Saw, Model 87**  
**Brobo 14" Chop Saw, Two motors**  
**Drill Presses, Various Sizes, Qty> 4**  
**Sunnen Hone Model MB-1660K**  
**Cyclo-Blast Dry Honer Blast Cabinet, Model 4228-F-PN-300288**  
**Champion Air compressor, Model 10, Air Cooler**  
**Champion Air compressor, Model 10**  
**Burr-Off 5 Cubic Foot Tumbler, Fully Enclosed**  
**Metal Disintegrator, Model 25F**  
**Belt Sanders, Buffers, Qty> 6**  
**Baldor Bench Grinder, Diamond Wheels**

## **Other / Miscellaneous Equipment**

**Caterpillar Fork Lift, Model GC30K, 5,000 Lift**