

**Auction #1: Siemens Simulator Bundle**

**Please provide 1 (one) total cost for all items listed below to be purchased as one complete bundle including shipping, rigging, & installation costs.**

<u>ITEM</u>	<u>Specifications</u>	<u>Part Number</u>	<u>Quantity</u>
Siemens Simulators	Siemens X9CE2C Simulator with training and certification for three instructors	X9CE2C	10
Siemens Simulator Software	WinNC for Sinumerik Operate - T/M ML	X3Y410	1
Siemens Simulator Software	WinNC for Fanuc 31i T/M	X3Y361	1
Multimedia Training License		X2Y410	20

**Auction #2: Band Saw Bundle**

**Please provide 1 (one) total cost for all items listed below to be purchased as one complete bundle including shipping, rigging, & installation costs.**

<u>ITEM</u>	<u>Specifications</u>	<u>Part Number</u>	<u>Quantity</u>
Band Saw	<p>FMB Phoenix Precision Gear Drive Saw - Pro Miter Series 110V</p> <p><b>Standard Features &amp; Equipment:</b></p> <p>Swivel saw head with a precision protractor 0-60 degree right Heavy duty machine base with locking cabinet Quick acting clamp Mechanical blade tension with built in indicator Precision carbide blade guides with roller guides Length stop (23" long) Saw drive via gear reduction with case hardened and ground helical gears Flood coolant system. Low voltage controls. Single speed motor. 110/1/60 voltage. One Cobalt band saw blade and operating manual</p> <p><b>Cutting Capacity 0 Degrees 45 Degrees 60 Degrees</b></p> <p>Round 8-5/8" 5-7/8" 3 1/2" Rectangle 7 3/4" x 9 1/2" 4" x 6" 3 3/4" x 3 1/2" Square 7 3/4" x 7 3/4" 5 1/4" x 5 1/4" 3 1/2" x 3 1/2" Blade Size: 8' x 1" x .035" Blade Speeds: 200 FPM Saw Motor: 1 HP Coolant Motor: 1/8 HP Floor Space: 32" x 55" Machine Weight: 505 lbs</p> <p>Wiring of machine for 230 volt three phase hook up</p>		1

**Auction #3: Clausing/Colchester Lathe**

**Please provide 1 (one) total cost for all items listed below to be purchased as one complete bundle including shipping, rigging, & installation costs.**

<u>ITEM</u>	<u>Specifications</u>	<u>Part Number</u>	<u>Quantity</u>
Lathe	<p data-bbox="227 325 552 367">Clausing / Colchester Lathe</p> <ul style="list-style-type: none"> <li data-bbox="227 367 1234 483">*AC Inverter Variable Speed Spindle Drive state of the art AC Spindle Drive featuring surface mount technology to give compact size and high reliability....4 years parts and labor warranty on drive</li> <li data-bbox="227 504 1104 546">* 24V Control: The machine controls are 24V for low voltage requirements</li> <li data-bbox="227 567 1201 640">* Interlocked End Guard Door with easy access for maintenance and changing end train gears</li> <li data-bbox="227 651 1234 724">* Leadscrew Reversing Box for faster thread cutting – reversal of the leadscrew with the spindle running at low speed</li> <li data-bbox="227 735 1218 777">* Easy to read Index Plate makes it simple to select the proper feed rate or threads</li> <li data-bbox="227 798 1169 871">* Three Headstock Gear Ranges for a wide spread of constant power – 33 to 1 – better than most CNC lathes</li> <li data-bbox="227 882 1218 955">* Infinitely Variable Spindle Speeds you can get the right spindle speed very quickly with a response like a CNC lathe, displayed on headstock</li> <li data-bbox="227 966 617 1008">* Electromagnetic Spindle Brake</li> <li data-bbox="227 1018 1234 1092">* Forced lubrication system the spindle bearings, gears and shafts are lubricated by a forced lubrication system</li> <li data-bbox="227 1102 828 1144">* Precision Gamet Tapered Roller Spindle Bearings</li> <li data-bbox="227 1155 600 1197">* Chuck Guard with limit switch</li> <li data-bbox="227 1207 1185 1281">* Anti-Friction Carriage Ways. Low-friction “Moglice” PTFE material between the saddle and bed for minimal bedwear and longer machine life</li> <li data-bbox="227 1291 909 1333">* Saddle Mounted Chip Guard and Full Rear Splash Guard</li> <li data-bbox="227 1344 1234 1417">* Extra Wide Heavy-duty Cast Iron Bed with triangular webs for exceptional torsional stiffness and excellent chip clearance</li> <li data-bbox="227 1428 1088 1470">* Heavy Duty Tailstock for excellent rigidity – with extra heavy-duty quill</li> <li data-bbox="227 1480 844 1522">* Covered Leadscrew protects leadscrew from chips</li> <li data-bbox="227 1533 958 1575">* Wheeled Chip Bin has a large capacity for easy chip disposal</li> <li data-bbox="227 1585 1120 1659">* Hardened and Ground Bedways - all bedways are induction hardened and precision ground</li> <li data-bbox="227 1669 1218 1743">* Cast Iron Base provides the maximum support for the bed combined with sloping top surfaces to prevent the accumulation of coolant</li> </ul> <p data-bbox="227 1764 600 1806">Capacity Height of center 7.67”</p> <p data-bbox="227 1816 487 1858">Swing over bed 15.75”</p> <p data-bbox="227 1869 422 1911">Swing in gap 23”</p> <p data-bbox="227 1921 600 1963">Width in front of faceplate 6.5”</p> <p data-bbox="227 1974 535 2016">Swing over cross slide 9.7”</p> <p data-bbox="227 2026 454 2068">Bedway width 12.5”</p> <p data-bbox="227 2079 568 2100">Headstock Spindle bore 2.12”</p> <p data-bbox="227 2131 568 2100">Spindle nose (camlock) D1-6</p>		5

Spindle nose taper 4MT  
 Number of spindle speeds 3 infinitely variable  
 Spindle Speed Range (rpm) 14-2500  
 Low range (rpm) 14-300  
 Mid range (rpm) 35-830  
 High range (rpm) 110-2500  
 Cross/Top Slide Travel of cross slide 9.8"  
 Width of cross slide 7.09"  
 Travel of top slide 5.1"  
 Width of top slide 3.93"  
 Tailstock Quill travel 5.5"  
 Quill diameter 2.87"  
 Quill taper 5MT  
 Feeds & Threading Longitudinal feed range 0.0014"-0.048"  
 Cross feed range 0.0007"-0.024"  
 Number of inch pitches 56  
 Range of inch pitches 2-56 TPI  
 Number of metric pitches 51  
 Range of metric pitches 0.2-14mm  
 Number of diametral pitches 20  
 Range of diametral pitches 8-56  
 Number of module pitches 20  
 Range of module pitches 0.2-3.5  
 Motor Spindle motor 10 hp  
 Dimensions Swing & Center Distance 15" x 50"  
 Length x Height x Width 99" x 51" x 51"  
 Weight approx. 3,300 lbs.

**Standard Features**

- \* Spindle Center Bushing
- \* Two MT Dead Centers
- \* Splash Guard
- \* Chuck Guard
- \* Leadscrew cover
- \* Coolant System
- \* Inch Threading Dial
- \* Set of Wrenches and Keys
- \* Instruction and Parts Manual
- \* Accuracy Chart
- \* Emergency Stop Button
- \* Lockable Isolator Switch
- \* One Shot Saddle and Cross Slide Lubrication
- \* Forward/Reverse/Stop Switch

**Accessories**

12" Telescopic Taper Attachment	5
5MT Live Center	5
5MT Drill Chuck with key	5
8" 3-Jaw Setrite Universal Scroll Chuck	5

10" 4-Jaw Independent Chuck	2
2 Axis Newall DRO	5
Bronze Tip & Roller Steady Rest 3/8" to 6-3/8"	1
Bronze Tip & Roller Follower Rest 3/8" to 3-1/4"	2
5C Ft. Mount Handwheel Collet Chuck	2
SET-1/8"-1 1/16" by 16ths (inch set)	2
15-775A Aloris Quick Change Tool Post w/4 Holders (CA)	5
18pc 5C Collet Rack	4
Wiring of machine for 230 volt three phase hook up.	

**Auction #4: Haas VF2 CNC Mill**

Please provide 1 (one) total cost for all items listed below to be purchased as one complete bundle including shipping, rigging, & installation costs.

<u>ITEM</u>	<u>Specifications</u>	<u>Part Number</u>	<u>Quantity</u>
Haas CNC Mill	Haas VF2 CNC Mill to include Owner training	VF2	1
	<p><b>Travels</b></p> <p>X Axis 30.0 in 762 mm            Y Axis 16.0 in 406 mm            Z Axis 20.0 in 508 mm            Spindle Nose to Table (~ max) 24.0 in 610 mm            Spindle Nose to Table (~ min) 4.0 in 102 mm</p> <p><b>Spindle</b></p> <p>Max Rating 30.0 hp 22.4 kW            Max Speed 8100 rpm 8100 rpm            Max Torque 90 ft-lbf @ 2000 rpm 122 Nm @ 2000 rpm            Max Torque w/opt Gearbox 250 ft-lbf @ 450 rpm 339 Nm @ 450 rpm            Drive System Inline Direct-Drive Inline Direct-Drive            Taper CAT40            Bearing Lubrication Air / Oil Injection Air / Oil Injection            Cooling Liquid Cooled Liquid Cooled</p> <p><b>Table</b></p> <p>Length 36.0 in 914 mm            Width 14.0 in 356 mm            T-Slot Width 0.630 in 16 mm            T-Slot Center Distance 4.92 in 125 mm            Number of Std T-Slots 3 3            Max Weight on Table (evenly distributed) 3000 lb 1361 k</p> <p><b>Feedrates</b></p> <p>Max Cutting 650 ipm 16.5 m/min            Rapids on X 1000 ipm 25.4 m/min            Rapids on Y 1000 ipm 25.4 m/min            Rapids on Z 1000 ipm 25.4 m/min</p> <p><b>Axis Motors</b></p> <p>Max Thrust X 2550 lbf 11343 N            Max Thrust Y 2550 lbf 11343 N            Max Thrust Z 4200 lbf 18683 N</p> <p><b>Tool Changer</b></p> <p>Type Carousel Carousel            Capacity 20 20            Max Tool Diameter (full) 3.5 in 89 mm            Max Tool Weight 12 lb 5.4 kg            Tool-to-Tool (avg) 4.2 s 4.2 s            Chip-to-Chip (avg) 4.5 s 4.5 s</p> <p><b>General</b></p> <p>Coolant Capacity 55 gal 208 L</p> <p><b>Air Requirements</b></p> <p>Air Required 4 scfm @ 100 psi 113 L/min @ 6.9 bar            Inline Air Hose 3/8 in 3/8 in            Coupler (Air) 3/8 in 3/8 in            Air Pressure Min 80 psi 5.5 bar</p> <p>TRT160 Tilting Rotary Table            6. in. Top reversible 3 jaw chuck            4th Axis Driving and Wiring            5th Axis Drive and Wiring            Wireless Intuitive Probing System; Renishaw. Includes the Haas Visual Programming System, macros, spindle orientation, and coordinate rotation and scaling.            Chip Auger            Rigid tapping            Haas Simulator            2-Year Warranty</p> <p>Wiring of machine for 208 volt three phase hook up.</p>		

**Auction #5: Haas ST-10Y CNC Lathe with Yaxis**

Please provide 1 (one) total cost for all items listed below to be purchased as one complete bundle including shipping, rigging, & installation costs.

<u>ITEM</u>	<u>Specifications</u>	<u>Part Number</u>	<u>Quantity</u>
Haas CNC Lathe with Yaxis	Haas ST-10Y CNC Lathe with Yaxis to include Owner training	ST-10Y	1
	<p><b>Swing Diameter</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Max Part Diameter 16.5 in 419 mm                      Over Wedge 16.5 in 419 mm</p> <p><b>Capacities</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Chuck Size 6.5 in 165 mm                      Max Cutting Diameter (varies with turret) 12.0 in 305 mm                      Max Cutting Length (without workholding) 16 in 406 mm                      Bar Capacity 1.75 in 44 mm</p> <p><b>Travels</b> <span style="float:right"><b>S.A.E Metric</b></span>                      X Axis 7.9 in 200 mm                      Y Axis ± 2.0 in ± 51 mm                      Z Axis 16.0 in 406 mm</p> <p><b>Feedrates</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Rapids on X 472 ipm 12.0 m/min                      Rapids on Y 472 ipm 12.0 m/min                      Rapids on Z 1200 ipm 30.5 m/min</p> <p><b>Axis Motors</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Max Thrust X 2400 lbf 10676 N                      Max Thrust Y 2300 lbf 10231 N                      Max Thrust</p> <p><b>Swing Diameter</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Max Part Diameter 16.5 in 419 mm                      Over Wedge 16.5 in 419 mm</p> <p><b>Capacities</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Chuck Size 6.5 in 165 mm                      Max Cutting Diameter (varies with turret) 12.0 in 305 mm                      Max Cutting Length (without workholding) 16 in 406 mm                      Bar Capacity 1.75 in 44 mm</p> <p><b>Travels</b> <span style="float:right"><b>S.A.E Metric</b></span>                      X Axis 7.9 in 200 mm                      Y Axis ± 2.0 in ± 51 mm                      Z Axis 16.0 in 406 mm</p> <p><b>Feedrates</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Rapids on X 472 ipm 12.0 m/min                      Rapids on Y 472 ipm 12.0 m/min                      Rapids on Z 1200 ipm 30.5 m/min</p> <p><b>Axis Motors</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Max Thrust X 2400 lbf 10676 N                      Max Thrust Y 2300 lbf 10231 N                      Max Thrust</p> <p><b>Turret</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Number of Tools 12-Station Hybrid (6 VDI; 6 BOT) 12-Station Hybrid (6 VDI; 6 BOT)                      OD vs ID Tools Any Combination (will vary with turret) Any Combination (will vary with turret)                      Boring Bar Rear Clearance (from back of turret) 0.75 in 19.1 mm</p> <p><b>Live Tooling</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Max Speed 4000 rpm 4000 rpm                      Tooling VDI40 VDI40</p> <p><b>General</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Coolant Capacity 30 gal 114 L</p> <p><b>Air Requirements</b> <span style="float:right"><b>S.A.E Metric</b></span>                      Air Required 4 scfm @ 1 00 psi 113 L/min @ 6.9 bar                      Inline Air Hose 3/8 in 3/8 in</p>		

Coupler (Air)  
Air Pressure Min

3/8 in 3/8 in  
80 psi 5.5 bar

- \*6000-rpm Sub-Spindle, A2-5 Spindle Nose; requires VB turret;
- \*6000-rpm Live Tooling Speed Upgrade; increases the maximum speed of the driven tools from 4000 rpm to 6000rpm. Requires LT-4K, LT-BMT65-12, or LT-BMT65-24 4000-rpm live tooling.
- \*Automatic Tool Presetter, manual and automatic modes. User-friendly interface.
- \*Belt-Type Chip Conveyor; quick, high-volume chip removal for increased productivity
- \*Parts Catcher System
- \*Haas Simulator
- \*2-Year Warranty
- \*30-Gallon (114 liter) Integrated Coolant Tank with 3/4 hp (0.6kW) pump
- \*30-Gallon (114 liter) Integrated Coolant Tank with 3/4 hp (0.6 kW) pump; 5.25 gpm @ 30 psi (19.9 L/min @ 2 bar)
- \*6000-rpm Spindle, 15 hp (11.2 kW), A2-5 spindle nose, 1.75" (44 mm) bar capacity, belt drive
- \*Auto Door - The Auto Door opens the machine doors automatically via the part program. This reduces operator fatigue during repetitive machining operations, or allows for unattended operation when used with a robotic loader.
- \*Bolt-On Toolholder Kit; includes 1 each 0.75" Face Groove Holder, 1 each 1" ID, 1 each 1.25" ID, 4 each coolant block, 4 each turret face wedge/clamp, and assorted coolant fittings.
- \*Bolt-On Toolholder Kit; includes 1 each 0.75" Face Groove Holder, 1 each 1" ID, 1 each 1.25" ID, 4 each coolant block, 4 each turret face wedge/clamp, and assorted coolant fittings.
- \*6.5" (165 mm) Hydraulic Chuck, A2-5 spindle nose
- \*Rigid Tapping
- \*Hybrid BOT/VDI Tool Turret; 12 stations, 6 VDI40 and 6 BOT, accepts 0.75" (20 mm) turning sticks
- \*Hybrid BOT/VDI Tool Turret; 12 stations, 6 VDI40 and 6 BOT; accepts VDI40 toolholders and 0.75" (20 mm) turning sticks on the face, and uses industrystandard bolt-on toolholders (80 mm x 45 mm bolt pattern) around the turret OD.
- \*Driven Toolholder Kit for VDI or VB Turret, includes 1 each 90-degree driven toolholder and 1 each straight driven toolholder.

Wiring of machine for 208 volt three phase hook up.

**Auction #6: Hexagon 454 SF CMM**

**Please provide 1 (one) total cost for all items listed below to be purchased as one complete bundle including shipping, rigging, & installation costs.**

<u>ITEM</u>	<u>Specifications</u>	<u>Part Number</u>	<u>Quantity</u>
Hexagon 454 SF CMM	<p>Hexagon 454 SF CMM</p> <p>4.5.4 SF Metrology Frame                      H3C-T 600 Controller                      Next Jog Box                      HH-MI Probe Head                      Accessory Kit 3 - M3                      LED Workspace Illumination                      Probe Qualification Sphere                      Dell Precision T5810XL or current model                      15" LCD Touch Screen                      PC-DMIS CAD                      Onsite Performance Verification                      Online Help Files, PC-DMIS                      System User's Manual on CD  <b>Hexagon Pre-Installation Support is included</b>                      PC-DMIS CAD Training for two at Hexagon site                      One Year System Warranty with Telephone Applications Support</p> <p><b>Accessory Kit 3 - M3</b>                      M3 threaded stylus kit includes:                      (Qty. 1) Mounted probe Ø 6.35 mm                      (Qty. 1) Ball stylus □ 2 mm x L 21 mm, Steel                      (Qty. 1) Ball stylus □ 3 mm x L 21 mm, Steel                      (Qty. 1) Ball stylus □ 4 mm x L 21 mm, Steel                      (Qty. 1) Extension L 10 mm, Steel                      (Qty. 1) Extension L 20 mm, Steel                      (Qty. 1) 5-way stylus center, Steel</p> <p><b>Fixture Starter Kit including 32 Elements</b>                      Qty. 2) Tension Clamp Medium                      (Qty. 2) Tension Clamp Posts                      (Qty. 1) Slider Block                      (Qty. 3) Stand Off Flat Magnet                      (Qty. 4) Cones Nylon                      (Qty. 1) Starter Case                      (Qty. 1) User Guide                      (Qty. 1) Thumbscrew M8                      (Qty. 2) Ø16 x 20 Stand Off                      (Qty. 2) Ø16 x 30 Stand Off                      (Qty. 2) Ø16 x 50 Stand Off                      (Qty. 2) Ø20 x 20 Stand Off</p>	SF CMM	1

(Qty. 2) Ø20 x 30 Stand Off  
(Qty. 2) Ø20 x 50 Stand Off  
(Qty. 2) Stand Off Pin  
(Qty. 2) Baseplate Retainers  
(Qty. 1) Baseplate 300 mm x 400 mm x 12 mm thick with  
alphanumeric legend identification and holding plates

**Operator Work Station Arm**

Monitor, keyboard and mouse stand mounted to the SF frame

Logitech K360 wireless keyboard

Logitech M325 wireless mouse