



COLUMBIANA HI TECH

Equipment Listing

<u>Equipment</u>	Machining	<u>Quantity</u>
Haas Vertical Machining Center, Model VF-5B/40XT 26" X 60" Table, 24 Position Tool Changer		1
Milltronics Model 04, CNC Vertical Milling Machine, 10" X 50" Table		1
Multi Cam MT-Series, CNC Router, 3 Axis, 8 Position Tool Changer, 10ft X 5ft Table		1
Union Horizontal Boring Mill, BFT-90, 52" X 60" Indexing Table, Heidenhain Digital Readout System		1
Union Horizontal Boring Mill BFT-100, 58" X 64" Indexing Table, Heidenhain Digital Readout System		1
Karusel Vertical Turret Lathe 100" Swing, 60" Height under rail		1
Cincinnati Vertical Turret Lathe 67" Swing, 50" Height under rail		1
Craven Engine Lathe 24" Swing, 168" between centers		1
Monarch Engine Lathe 26" Swing, 72" between centers		1
DoAll LS-1660 Engine Lathe 16 1/2" Swing, 60" between centers		1
Sheldon Engine Lathe 15" Swing, 36" between centers		1
TOS Engine Lathe 24" Swing, 80" between centers		1
Supermax Model LE-1338 Engine Lathe 13" Swing, 40" between centers		1
Alliant Vertical Milling Machine, Model RT2V, 9" X 42" Table, Servo Power Feed, Digital Readout		2

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Machining (continued)

<u>Equipment</u>	<u>Quantity</u>
Seiki-XL Vertical Mill 10" X 50" Table, Servo Power Feed, Digital Readout	1
Victor Model 380V Vertical Mill 10" X 50" table, Servo Power Feed, Digital Readout	1
Sharp #RD 1600 Radial Arm Drill 17" Column, 63" Travel	1
Clausing Gang Drill Press 84" with 6 Presses	1

Fabrication

ABB 8 Axis Integrated Robotic Welding Cell, S4C Controller with 10MB user Memory, Welding Torch Bullseye Alignment System, Smartec Touch Sensing Software for Weld Joint Location. System has ability to Weld part 65" dia X 217" in length and weighing 4,600 pounds.	1
ABB 7 Axis Integrated Robotic Welding Cell, S4C Controller with 10MB User Memory, Welding Torch Bullseye Alignment System, Smartec Touch Sensing Software for Weld Joint Location, Servo Driven Indexing Turn Table. System has ability to load and unload one part while robot is welding a part in opposite station. Maximum part size is 48" X 60" Weighing 1,500 pounds.	1
Miller Syncrowave 250 DX Welders	8
Miller CP-302 Welders	14
Miller Syncrowave 250 Welders	15
Miller Dimension 452 Welder	1
Miller CP-300 Power MIG Welders	4
Aronson Manipulator, Model 2G10VRB10CL With Submerged-ARC Feeder	1
Lincoln 185 Precision TIG Welders	3
Miller Syncrowave 351 Welders	4
Lincoln Dialarc DC-600 Welders	4
Lincoln 275 Square Wave TIG Welders	2
Miller Max Star Welders	6

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Fabrication (continued)

<u>Equipment</u>	<u>Quantity</u>
Lincoln Invertec V350 Pro Welder	1
Thermal ARC Ultima 150 Plasma Welder	4
Lincoln Idealarc DC1000 Welders	2
Lincoln Squarewave TIG 355 Welder	2
Lincoln INVERTEC STT11 Welders	6
Bug-O-Systems Seam Welder, Model MPD-1000, With Jetline Seam Tracker Model SST-40 With 25ft Beam Support	1
Loris Spot Welders, Model 1100AR-DV	2
Byrco/Koco Stud Welder Type KST-9	1
Byrco/Koco Stud Welder, Model KST-6	1
TRW Nelson Stud Welders, Series 4500, Model 101	2
TRW Nelson Stud Welder, Series 6000, Model 101	1
Thermal ARC Plasma Cutter, Model PAK7XR	1
Thermal ARC Plasma Cutter Model 150XL	1
Thermal ARC Plasma Cutter, Model PAK10XR	1
DoAll 24" Vertical Band Saw	1
Dayton 15" Vertical Band Saw	1
DoAll Model V-36 Vertical Band Saw	1
DoAll Horizontal Band Saw, Model C-305A	1
DoAll Horizontal Band Saw, Model C-916	1
Piranha Iron Worker, Model P50	1
Webb Plate Bending Roll Model BR-3 6ft X 5/16" Capacity	1
Koike Aronson Welding Roller Sets, Model WR110, 10,000 LB Capacity	2
Kioke Aronson Welding Positioners, Model TS4, 4,500 lb Capacity	3
Kioke Aronson Welding Roll Set 15,000 lb Capacity	3

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Fabrication (continued)

<u>Equipment</u>	<u>Quantity</u>
Kioke Aronson Welding Positioners 1,500 lb Capacity	2
Kioke Aronson Welding Roll Set Model WRT-30, 30,000 lb Capacity	1
Pandjiris Welding Roll Set Model 1R-34	1
Kioke Aronson Welding Positioner 2,500 lb Capacity	1
Pandjiris Welding Roll Set Model MM-30, 30 Ton Capacity	1
Pandjiris Welding Positioner Model 100-72, 10,000 lb Capacity	2
Ransome Welding Rollers 15,000 lb Capacity	1
Kioke Aronson Welding Positioner Model TS2, 2,500 lb Capacity	1
Weldsale Stake Plate Welding/TIG Tables 5ft x 8ft	8
Stainless Steel Welding Tables 3" Thick x 60" Dia	4

Handling

Overhead Bridge Crane, 5 Ton Capacity 30ft under Hook	1
Overhead Bridge Crane, 15 Ton Capacity 23ft under Hook	1
Overhead Bridge Crane, 30 Ton Capacity 23ft under Hook	1
Overhead Bridge Crane 10 Ton Capacity 14ft under Hook	1
Overhead Bridge Crane 7.5 Ton Capacity 14ft under Hook	1
Overhead Bridge Crane 5 Ton Capacity 14ft under Hook	1
Overhead Bridge Crane 2 Ton Capacity 14ft under Hook	1

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Handling (continued)

<u>Equipment</u>	<u>Quantity</u>
Gorbel Overhead Traveling Bridge Crane, 4000 lb Capacity, 20ft Bridge, 54ft Runway, 8ft under Hook	1
Post JIB Cranes, 1.5 Ton Capacity	4
Forklifts: 5000 lb Capacity	3
6000 lb Capacity	2
8000 lb Capacity	2
30,000 lb Capacity	1

Inspection

Load Testing Capability to 1,000,000 lbs	1
Faro Portable Measuring Device, Computer Controlled, Model #N1202	1
Tinius Olsen Tensile Tester, Model H5K-5	1
EG&G Chandler Dead Weight Tester	1
Pratt & Whitney Super Micrometer Model B	1
Starrett Granite Surface Plate 36" X 72"	1
Starrett Granite Surface Plate 48" X 96"	1
Numerous Vernier Calipers, Micrometers, Gauge Block Sets, PI-Tapes, Bore Gauges, Thread Plug Gauges, Thread Ring Gauges, Pressure Gauges, Hardness Testers, Dynamometers, Scales	1 lot

All Gauges Maintained in accordance with CHT's Nuclear QA Program (ANSI/NCSL Z540)