

CUPPLES' J&J COMPANY EQUIPMENT LIST - 6/18/2024

DESIGN

4 ea --- Microstation Software with PC base with dual monitors for machine design (Capabilities include: Auto-cad DWG, DXF, IGES, CGM, Image & TEX, STP)

20 ea --- Solid Works Professional 2024 Stations

10 ea --- Auto-Cad LT 2023 CAD Stations

5 ea --- Auto-Cad Inventor LT 2023 CAD Stations

PROGRAMMING

24 ea -- CNC Programming Stations using EZ-Cam Milling, Turning and EDM Programming Software, GIBBS Multi-Axis Milling and Turning and Surfacing; PEP Laser and Plasma Programming Software, and Trumpf Boost Trumpf Laser and Punch Programming Software and BySoft ByStronics Laser and Waterjet Programming Software, Metalix Laser Programming Software, Komatsu Twister Fine Plasma Programming Software.

CNC - COMPUTER NUMERICAL CONTROLLED EQUIPMENT

CNC - VERTICAL MACHINING CENTERS

4 ea --- TRAK K3SX3 - 2 axis CNC Knee Mill with up to x=32"; y=16"

3 ea --- TRAK K3SX3-3 - 3 axis CNC Knee Mill with up to x=32"; y=16"

4 ea --- TRAK DPM SX2 3 axis CNC Bedmills with up to x=32"; y=16"

2 ea --- TRAK DPM SX3 3 axis CNC Bedmills with up to x=40"; y=20"

1 ea --- Milltronics MB20 3Axis Knee Mill with x=40"; y=20"; z=24"

1 ea --- Fadal CNC Milling Machines 40 taper with up to x=30"; y=16"; z=20"; with Right Angle Heads, and positioning and 2 ea with 4th axis contouring

2 ea --- Yama Seiki BM 850 VMC's with Geared Head and Big Plus 40 taper with x=33.50"; y=23.60"; z=23.60" travels

3 ea --- Doosan DNM 500 VMC's with x=40.2"; Y=21.3"; Z=20.1" with 8,000 rpm spindle and alpha High Torque and Big Plus Spindle Options

1 ea --- KIWA V21i-R 2 APC CNC Milling Machines with Big Plus BT 40 Spindle; 12,000 RPM; x=24.00"; y=16.1"; z=20.1" travels pallets; with Right Angle Heads. Rapids of 2,362 ipm; 5 Sec Chip to Chip; 5 sec Pallet Change; 12,000 RPM Spindle; 270 psi thru spindle coolant.

1 ea --- Ares Seiki R Series 450 CNC Drilling and Tapping machine with travels x=17"; y=12"; z=12"

1 ea --- Ares Seiki A Series 560 CNC Drilling and Tapping machine with travels x=22"; y=16"; z=14"; SMW 1 Degree Horizontal Rotary Indexer

1 ea --- KIRA VTC40A CNC Drilling and Tapping machine with travels x=47.2"; y=13.8"; z=15.8"; SMW 1 Degree Horizontal Rotary Indexer

4 ea --- Okuma MB-56V VMC with CAT 40 taper, 216 PSI thru the spindle coolant and x=41.34"; y=22.05"; z=18.11"

1 ea --- Okuma Genos M660V VMC with CAT 50 taper Big Plus, 1,000 PSI thru the spindle coolant and x=59.05"; y=25.98"; z=25.98". Equipped with rotary 4th with constant feed capability, Renishaw Probe included

1 ea --- Okuma MVA 60 CNC; 50 taper machining center with x=55"; y=24"; z=26"; SMW 1 Degree Horizontal Rotary Indexer

1 ea --- YAMA SEIKI BM1600 -2018 VMC; CAT 50 taper with travels x=63.00"; y=31.50"; z=31.50"

1 ea --- OKK CNC Milling Machine MCV 860; CAT 50 taper with x=81"; y=34"; z=29"

1 ea --- AWEA / YAMA SEIKI VP-2012 Bridge type vertical machining center; CAT 50 taper with ; x=78.7"; y=47.2"; z=30"; with 30 taper Right Angle Heads and Rotary 4th axis with 12" chuck and tail stock

1 ea --- Toyoda Bridge type vertical machining center; CAT 50 taper with x=118.1"; y=59.05"; z=30.0"; with 30 taper Right Angle Heads

1 ea --- Mitsubishi MVR-30EX -2019 Bridge type vertical machining center; CAT 50 taper with ; x=204.7"; y=118.1" (100.4" BETWEEN COLUMNS) ; z=31.5"/w=43.3"(TOTAL =74.8"); with 50 taper Right Angle Head with automatic 1 degree rotation; 66,000 lb table load capacity

CNC HORIZONTAL MACHINING CENTERS AND CNC BORING MILLS

3 ea --- Kitamura MyCenter HX500iG ; Big Plus CAT 50; 500 mm pallets (19.7") X=34.30"; Y=28.00"; Z=26" with 12,000 RPM, 1,000 PSI Thru the Spindle Coolant ; 6 second pallet change; 6 second chip to chip; 2 second full rotation of full contouring 4th axis with 360,000 positions .

1 ea --- Mori Seiki NH5000R ; Big Plus CAT 50; 500 mm pallets (19.7") X=25.6"; Y=23.60"; Z=28.70" with 8,000 RPM, 1,000 PSI Thru the Spindle Coolant ; 6 second pallet change; 6 second chip to chip; 2 second full rotation of full contouring 4th axis with 360,000 positions . Also equipped with Reinshaw Probe System.

1 ea --- Kitamura MyCenter HX630i ; Big Plus CAT 50; 630 mm pallets (24.8") X=39.40"; Y=32.60"; Z=28" with 12,000 RPM, 1,000 PSI Thru the Spindle Coolant ; 5.5 second pallet change; 5.5 second chip to chip; 2 second full rotation of full contouring 4th axis with 360,000 positions .

1 ea --- Kitamura MyCenter HX630G ; Big Plus CAT 50; 630 mm pallets (24.8") X=43.30"; Y=36.20"; Z=41.30" with 12,000 RPM, 1,000 PSI Thru the Spindle Coolant ; 5.5 second pallet change; 5.5 second chip to chip; 2 second full rotation of full contouring 4th axis with 360,000 positions .

1 ea --- Haas EC-1600ZT - Big Plus CAT 50; 32" pallet X=64.00"; Y=40.00"; Z=40.00" with 8,000 RPM, 1,000 PSI Thru the Spindle Coolant ; 15 second chip to chip; full contouring 4th axis with 360,000 positions .

CNC HORIZONTAL BORING MILL

2 ea --- FEMCO BMC 110R2 ; CAT 50; X=78.74"; Y=70.87"; Z=66.93"; w=21.65" with 2,500 RPM, 270 PSI thru the Spindle Coolant; rotation of full contouring 4th axis with 360,000 positions. Blume Probe System; 60 tool automatic tool changer; full guarding; FANUC 21iC Control; 13,889 LB Table Load

1 ea --- SNK/Nissin BP130 - ; CAT 50; X=137.80"; Y=98.43"; Z=62.99"; w=27.56" with 2,500 RPM, 300 PSI thru the Spindle Coolant; rotation of full contouring 4th axis with 360,000 positions. Blume Probe System; 90 tool automatic tool changer; full guarding; FANUC 16iMB Control; 22,000 LB Table Load

CNC TURNING EQUIPMENT

1 ea --- TRAK TRL 1840SX LATHE 18.5" swing X 40" centers x 9" over the cross slide

2 ea --- TRAK TRL 2460SX LATHE 24.0" swing X 60" centers x 14.5" over the cross slide

2 ea --- Okuma Cadet CNC Lathes with 2 ½ " thru bar capacity; 28" centers; 18" swing

1 ea --- KIA SKT250MS with 24.4" swing x 28.3" turning length and 16.1" turning dia. over the cross slide, 3" Magazine Bar feed thru the front spindle and 2.00 thru the rear spindle. Machine has a main and a sub-spindle with a single turret that can work either spindle. C axis and Y axis up to 4" is also included. Axial and radial tools enable turning and machining in one setup. Machine is equipped with 1,000 PSI thru the tool coolant. This machine also has a FANUC 21i-TB.

2 ea --- Okuma Genos L400 - 2 Axis CNC lathe with 2.50" bar capacity; up to 11.8" turning; 23.60" centers; 17.7" swing

1 ea --- Okuma LB 3000EX - 2 Axis CNC lathe with 3.00" bar capacity; up to 28.5" turning; 23.6" centers; 14" swing

1 ea --- Okuma LB 3000EX - 2 Axis CNC lathe with 3.00" bar capacity; up to 28.5" turning; 39.37" centers; 14" swing

1 ea --- KIA SKT460 with 34.4" swing x 62.0" turning length and 24.8" turning dia over the cross slide. Spindle Bore is 5.1". Machine is equipped with a 21" Hydraulic chuck on an A2-11 Spindle. Tail Stock can travel 50.4" and has a MT#5 taper with 5.9" Quill Travel. This machine also has a FANUC 21i-TB.

2 ea --- Milltronics ML 26/160 with 27" Swing x 163" Centers - 3.22" Spindle Bore. Also with 35" swing in a 12.75" gap. Machine is equipped with an 18: Buck Chuck, Steady Rest and Follow Rest.

3 ea --- Okuma LU 3000EX - 4 Axis Twin Turret CNC lathe with 3.00" bar capacity; up to 28.5" turning; 39.37" centers; 14" swing

1 ea --- Okuma LCC 15 - 4 Axis Twin Turret CNC lathe with 1 5/8" bar capacity; 14 " turning; 11 " swing

1 ea --- Okuma LT200 Super Big Bore / Big Bore CNC Lathe with 2.76" Magazine Bar feed thru the front spindle and 2.00 thru the rear spindle. Machine has a main and a sub-spindle with upper and lower turrets that can work either spindle. C axis and Y axis up to 3.76" is also included on each spindle/turret. Turning and machining in one setup. Machine is equipped with 1,000 PSI thru the tool coolant.

1 ea --- Okuma LH 35 2000 - flat bed CNC lathe 24" Swing; up to 78.7 Centers

1 ea --- Okuma LH 35 3000 - flat bed CNC lathe 24" Swing; up to 118.31" Centers

1 ea --- Okuma LB35 CNC 24" Swing x 39.37" Centers

2 ea --- Miyano TMD42 - 3 axis turning centers with LIVE TOOLING on the X and Z AXIS. 42 MM bar capacity with 11" turning

1 ea --- Miyano LZ-01R - 2 axis turning centers with ROBOT LOADER - 2.75" turning dia x 3.15" turning length

1 ea --- Hardinge Conquest Precision 3 axis turning center with Live Tooling on the X and Z axis. 1 3/8" dia bar capacity with 6" dia x 7" turning capacity.

1 ea --- Ganesh Cyclone 32CS - 32 mm Sliding Headstock Hybrid 7 Axis CNC Lathe with Sub-spindle and Magazine Bar Feeder. LIVE TOOLING on Front and Rear Spindles

1 ea --- Honor Seiki Turret Type VTL VL100A up to 51.2" Swing diameter, 43.3" turning diameter, 36.4" turning height, 12 station turret 60/50HP with 40" diameter chuck

LASER CUTTING EQUIPMENT

1 ea --- Cutlite Penta 6030 - 30,000 Watt IPG Fiber Laser with 120" x 240" Pallets capable of cutting 2.00" thick mild steel and 1-1/2" clean cut for stainless steel equipped with manual material loader. Equipped with Rapid Pulse Piercing System, 5,500 ipm Rapid Traverse and 2.5 G Acceleration. (This machine is on order and is due to be operational by October, 2023.)

2 ea --- Cutlite Penta 4020 - 30,000 Watt IPG Fiber Laser with 80" x 160" Pallets capable of cutting 2.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 5,500 ipm Rapid Traverse and 2.5 G Acceleration.

1 ea --- Cutlite Penta 3015 - 30,000 Watt IPG Fiber Laser with 60" x 120" Pallets capable of cutting 2.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 5,500 ipm Rapid Traverse and 2.5 G Acceleration.

1 ea --- Cutlite Penta XME 4020 - 20,000 Watt IPG Fiber Laser with 80" x 160" Pallets capable of cutting 1.125" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 5,500 ipm Rapid Traverse and 1.8G Acceleration.

1 ea --- Cutlite Penta LME FAST 4020 - 20,000 Watt IPG Fiber Laser with 80" x 160" Pallets capable of cutting 1.125" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 5,500 ipm Rapid Traverse and 4G Acceleration.

2 ea --- Eagle 3015 - 20,000 Watt IPG Fiber Laser with 80" x 160" Pallets capable of cutting 1.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 14,530 ipm Rapid Traverse and 6.3 G Acceleration.

1 ea --- Eagle 3015 - 15,000 Watt IPG Fiber Laser with 80" x 160" Pallets capable of cutting 1.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 14,530 ipm Rapid Traverse and 6.3 G Acceleration.

1 ea --- Bystronic ByStar Pro 3015 - 15,000 Watt IPG Fiber Laser with 5' x 10' Pallets capable of cutting 1.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 7,000 ipm Rapid Traverse and 3.0 G Acceleration.

1 ea --- Eagle 3015 - 12,000 Watt IPG Fiber Laser with 5' x 10' Pallets capable of cutting 1.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 14,530 ipm Rapid Traverse and 6.3 G Acceleration.

1 ea --- Bystronic ByStar Pro 3015 - 12,000 Watt IPG Fiber Laser with 80" x 160" Pallets capable of cutting 1.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 7,000 ipm Rapid Traverse and 3.0 G Acceleration.

1 ea --- Bystronic ByStar Pro 3015 - 12,000 Watt IPG Fiber Laser with 5' x 10' Pallets capable of cutting 1.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 7,000 ipm Rapid Traverse and 3.0 G Acceleration.

3 ea --- Bystronic ByStar Pro 3015 - 10,000 Watt IPG Fiber Laser with 5' x 10' Pallets capable of cutting 1.00" thick mild steel and 1/2" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 7,000 ipm Rapid Traverse and 3.0 G Acceleration.

2 ea --- Power Tech Eagle - 6,000 Watt IPG Fiber Laser with 60" x 120" Pallets capable of cutting 1.00" thick mild steel and 3/4" clean cut for stainless steel equipped with Gorbil / Anver Manual Loading System. System has 13,900 IPM Rapid Traverse with 6.1 G Acceleration.

2 ea --- Bystronic BySprint Pro 3015 - 6,000 Watt IPG Fiber Laser with 5' x 10' Pallets capable of cutting 3/4" thick mild steel and 3/8" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 5,500 ipm Rapid Traverse and 1.5 G Acceleration.

1 ea - Trumpf 1030 3015 - 6,000 Watt Fiber Laser with 5' x 10' Pallets capable of cutting .75" thick mild steel and 3/8" clean cut for stainless steel equipped with auto-material loaders. Equipped with Rapid Pulse Piercing System, 5,500 ipm Rapid Traverse and 1 G Acceleration.

1 ea --- Trumpf 3000 Laser Punch Combination machine with load unload automation capable of running full 60" x 120" sheets. This machine also includes the capability to tap and extrude up and down.

WATERJET CUTTING EQUIPMENT

1 ea --- Flow MACH 500 Single Head 5-axis with capabilities of cutting up to 8" carbon steel as well as cutting plastics, rubber and other materials. Cutting area is 157" x 78". High Intensity 100 hp pump included for up to 40% faster cutting.

CNC PUNCHING EQUIPMENT

1 ea --- Trumpf TC2020R CNC Hydraulic Punching Machine with 50" x 100" (50" x 120" plus with repositioning) travel, capable of cutting up to 1/4" mild steel. Maximum hit rate is 420 hits/minute on 1" centers. Also with tapping capability from #6-32 up to 5/16"-18.

1 ea --- Trumpf 3000 Laser Punch Combination machine with load unload automation capable of running full 60" x 120" sheets. This machine also includes the capability to tap and extrude up and down.

PLASMA CUTTING

1 ea ---Messer Excel Dual Head 300 Amp High Definition Plasma Cutting Machine with travels up to 96" x 420" table capable of cutting 2.00" mild steel. One head has a 5 axis head with capability of a 52 degree angle. This is a high speed plasma with 3,000 ipm rapids and .5G Acceleration. Accuracy is +/-002" over an 80" x 80" area. Machine can be setup as cutting in two safe zones of 96" x 168".

WIRE EDM

1 ea --- Charmilles ROBOFIL 440 Submerged Wire EDM with maximum taper up to +/- 30 degrees cutting angle. Machine has travels of x=21.62 ; y=13.77 ; z=15.75

1 ea --- Charmilles ROBOFIL 300 Submerged Wire EDM with maximum taper up to +/- 30 degrees cutting angle. Machine has travels of x=15.75 ; y=9.7 ; z=15.75

CNC FORMING

1 ea --- Accurpress 400 Ton CNC Open Side Gap Frame Hydraulic Brake Press with 24" wide x 96" long ram and 30" wide x 96" long bottom die plate. This machine also has a 3 axis ETS 3000 Accurpress CNC Control System with 4ea extended length fingers.

1 ea --- Bystronic ByBend Smart 300/4100 CNC Press Brake with 330.7 ton and 161.4" Bend Length / 134.6" Bend Length Between the frames. This machine has a CNC Control and has a two-axis ram with a four axis back stop with 33.5" x-axis travel. It is also equipped with an Automatic Hydraulic Crowning System.

30 ea --- Accurpress CNC Press Brakes up to 8 axis and up to - 250 Ton x 14'-0". Machines include Willa Crowning Systems, Wilson Hydraulic Clamping Systems and front folding arms.

3 ea --- Prima Power EP1030 - CNC Press Brake with 115 ton and 120.5" Bend Length / 100" Bend Length Between the frames. It is also equipped with an Automatic Hydraulic Crowning System and material sheet thickness measurement capability. These machines use Auto-Pol bending software to preprogram all bending0000

1 ea --- Bystronic XACT 100 - CNC Press Brake with 110 ton and 122" Bend Length / 100" Bend Length Between the frames. This machine has a Cyblec 880 Control and has a two axis ram with a four axis back stop. It is also equipped with an Automatic Hydraulic Crowning System.

1 ea --- Bystronic XPERT 150/3100 CNC Press Brake with 165 ton and 122.1" Bend Length / 108.1" Bend Length Between the frames. This machine has a Control and has a two axis ram with a four axis back stop with 23.7" x-axis travel. It is also equipped with an Automatic Hydraulic Crowning System.

1 ea --- Trumpf Trumatic 2100 110 Ton CNC Press Brake

1 ea --- Bystronic XPRESS 50/1050 CNC Press Brake with 55 ton and 42" Bend Length / 44" Bend Length Between the frames. This machine has a CNC Control and has a two-axis ram with a three axis back stop with 26" x-axis travel.

1 ea --- CMU CNC Press Brake up to 4 axis and up to - 35 Ton x 48" between frames.

CNC ROLLING

1 ea --- DAVI MCA 2020 CNC 4 ROLL CNC ROLL - 5/16" Prebend X 6'-2" capacity (7/16" with no prebend).

1 ea --- DAVI MCA 2019 CNC 4 ROLL CNC ROLL - 1/4" Prebend X 6'-2" capacity (5/16" with no prebend).

1 ea --- DAVI MCA 1518 CNC 4 ROLL CNC ROLL - 1/4" Prebend X 5'-2" capacity (5/16" with no prebend).

CNC SAWS

2 ea --- DoAll CNC Production Feed thru cut off saw - 18"

ROBOTIC WELDING

33 ea -- Panasonic Robotic Welding Cells with up to 350 amp CV MAG/MIG and up to 500 amp pulse / CV MIG welding power supplies and up to 7 axis with fixed tables, main rotary and independent rotary tables. Max capacity up to 92" Diameter Rotary Tables. One station can rotate up to 5,500 lbs x 120" long x 66" diameter swing on one side and 10,000 lbs x 108" long x 66" swing diameter.

CONVENTIONAL EQUIPMENT

CONVENTIONAL MILLING EQUIPMENT

2 ea --- Conventional Knee Mills -With (2) Axis readouts - Up to 48" Capacity

1 ea --- #4 Cincinnati with Tool Makers Over Arm

CONVENTIONAL TURNING EQUIPMENT

6 ea --- Conventional Lathes up to 42" swing with 60" gap swing x 17' - 6" B.C.

1 ea --- Warner Swazey #3 Turret Lathes 1 1/2" Dia

1 ea --- Brown & Sharp 2G Screw Machines 1 1/2" Dia

2 ea --- Brown & Sharp Ultramatics 1 5/8" Dia.

1 ea --- Wickman Multi-spindle 1" Dia Max - 6 Spindle

1 ea --- Wickman Multi-spindle 1-3/4" Dia Max - 6 Spindle

DRILL PRESSES

- 3 ea --- Radial Arm up to 4'
- 2 ea --- Stand Drill Press
- 2 ea --- Twin Spindle Drill Stations
- 1 ea --- Station Automatic Drill Center 1/2" Dia
- 1 ea --- Horizontal Milling Machine 12" X 20"
- 1 ea --- 6-Spindle Drill Presses 3/4" Dia
- 1 ea --- 4-Spindle Drill Presses 3/4" Dia

SURFACE GRINDERS

- 1 ea --- 42" Dia Blanchard Grinder
- 1 ea --- 36" Dia Blanchard Grinder
- 1 ea --- 18" x 36" Chevalier Surface Grinder
- 2 ea --- 12" x 24" Chevalier Surface Grinder
- 1 ea --- 12" x 24" Okamoto Surface Grinder
- 1 ea --- 12" x 6" Surface Grinder

BROACHING EQUIPMENT

- 1 ea --- LaPoint Type 25 - 8 Ton Horizontal Broach
- 2 ea --- Dake Vertical Keyway Broach - 1 1/4" capacity keyway

SAWS

2 ea --- Cut off Saw - 12" Capacity

3 ea --- DoAll CNC Production Feed thru cut off saw - UP TO 18"

1 ea --- HYD MECH S-20DSP - Double Miter Capable - up 60 degree miter in two directions; 13" x 18" straight; 8" x 10" at 60 degrees

4 ea --- Vertical Band Saws

WELDERS

2 ea --- Automatic MIG Welders with Reiner Rotary Welding Stations

18 ea --- TIG Welders

20 ea -- MIG Welders - CV and Pulse also with Aluminum Pulse MIG welding attachments

2 ea --- Stud Welders up to 3/8" dia

1 ea --- 30 KVA Rocker Arm Spot Welder

1 ea --- 120 KVA GE Schmidt press type Spot Welder and Projection Welder

3 ea --- Conventional Plasma Cutters up to 1" Thick Capacity

8 ea --- Acetylene Welding/Torch Rigs

3 ea --- Bull Dog 6,000 lb rotary weld stations

STRESS RELIEF EQUIPMENT

2 ea --- Formula 62 Stress Relief Machine

CONVENTIONAL FABRICATION EQUIPMENT

2 ea --- Accurpress Shears up to 1/4" ss and 3/8" mild steel x 10'-0"

1 ea --- Rouselle Shear up to 1/4" mild steel x 60"

2 ea --- Conventional Hydraulic Press Brakes up to 320 Ton x 12'-0"

2 ea --- Piranha iron workers

6 ea --- Single and Double Pinch Rolls up to 5/8" A36 x 100" or 3/4" A36 x 60"; Two of the rolls have extensions to work as smaller angle or channel rolls.

1 ea --- Apkayak APK 100 Angle and Channel Roll - up to 6" x 2-1/2" channel leg in and 4" x 4" x 1/2" angle legs in.

STAMPING PRESSES

1 ea --- Komatsu OBW250 - 275 Ton Open Side Gap Frame Double Crank Variable Speed Press with 20 to 40 strokes per minute.

1 ea --- Rouselle Punch Press 95 Ton with Rapid Air Coil Feed - 12" feed x 12" wide coil x up to 7 ga thickness

1 ea --- Rouselle Punch Press 70 Ton

HYDRAULIC PRESSES

3 ea --- Up to 75 Ton Dake Press

ROD AND TUBE BENDING EQUIPMENT

2 ea --- Dennison Multi-press 10 Ton

1 ea --- Dennison Multi-press 6 Ton

BLAST EQUIPMENT

1 ea --- Gibson Steel Shot Blast System with a 72" diameter x 72" tall blast chamber.

1 ea --- Clemco Steel Shot Blast System 36" long x 24" blast chamber.

DEBURRING EQUIPMENT

1 ea --- Rossler Vibratory Deburring Machine - Wet system with automatic chemical mix, automatic discharge chute, (18" wide channel, 16" inches deep, 84" dia tub)

1 ea --- Ultramatic Vibratory Deburring Machine - Wet system with automatic chemical mix, automatic discharge chute, (15" wide channel, 14 inches deep, 48" dia tub)

1 ea --- Timesaver Wet Belt Sanding system with a 9" wide part capacity.

QUALITY ASSURANCE

1 ea --- Brown & Sharp MICRO-VAL CMM 24" x 24" Reflex 454

1 ea --- Brown & Sharp CMM 30" X 42" EXCEL; PC-DMIS SOFTWARE

1 ea --- Brown & Sharp Global 5-5-5 CMM 19.7" X 19.7" Global with full articulating probe system; PC-DMIS 4.3 SOFTWARE WITH CAD++ AND DATAPAGE

3 ea --- Brown & Sharp Global 7-10-7 CMM 30" X 42" Global with full articulating probe system; PC-DMIS 4.3 SOFTWARE WITH CAD++ AND DATAPAGE

1 ea --- Brown & Sheffield DISCOVERY-28 CMM 30" X 42" I with full articulating probe system; PC-DMIS 2009 SOFTWARE WITH CAD++ AND DATAPAGE

1 ea --- FARO ARM - FARO Gauge - 48" volume with 12" extensions for up to 72" volume for deep or long part accuracy +/- .0004"

1 ea --- FARO ARM - FARO Gauge PLUS - 48" volume with 12" extensions for up to 72" volume for deep or long part accuracy +/- .0002"

1 ea --- FARO ARM Quantam - 96" Reach with accuracy +/- .0002". Also equipped with scanner attachment and table or stand mount

2 ea --- Weld Penetration Scope

3 ea --- Digital Protractor Sets

2 ea --- Optical Comparators

TRUCKS/LIFTS/RIGGING EQUIPMENT

1 ea--- 9 Ton Grove Portable Crane (Can Drive in any 8' x 8' Wide door. Crane has a 30 foot reach, 19 TON CAPACITY)

18 ea --- Forklifts (From 4,000 to 80,000 lb. capacity - 5 each with booms for rigging)

4 ea --- Scissors Lifts

2 ea --- JLG Manlift

1 ea --- Van - 7 Person Capacity

1 ea - Flat Bed - 26 foot bed, 58,000 GVR, 35,000 Max Load

2 ea --- Flatbed - 1 Ton

1 ea --- Flatbed - 2 Ton

1 ea --- Flatbed - 5 Ton

3 ea --- Flatbed - 20 Ton Trailer

2 ea --- Pickups - 3/4 Ton

16 ea --- Pickups - 1/2 Ton

1 ea --- International 10 Wheel Tandom Truck

1 ea --- 104,000 lb. 47' Lowboy Trailer

1 ea --- 53' Flat Bed Trailer

1 ea --- 24' Covered box truck

1 ea --- 40' Covered box truck

Miscellaneous Equipped Gang Boxes to Support Small & Large Field Installations.

JACKSON TOTAL FACILITIES 190,000 Sq. Ft. Building Capacity.

DYERSBURG TOTAL FACILITIES 63,000 Sq. Ft. Building Capacity.

Complete Tool Crib Facilities. Plastic, Aluminum, Carbon Steel and Stainless Steel plate and bar in stock for most emergency repairs. All equipment is owned by Cupples' J&J Company.