

ONLINE AUCTION SALE

Equipment Surplus to the ongoing operations of:

HALDEX HYDRAULICS CORPORATION

214 James Farm Road, Statesville, North Carolina 28625

HIGH QUALITY CNC GEAR MACHINERY, CNC MACHINE TOOLS, CNC GRINDING, INSPECTION & PLANT SUPPORT EQUIPMENT

Sale Date: Wednesday, February 9th
Sale Closing: 2:00 PM CST
Inspection: Wednesday, February 2nd & Thursday, February 3rd

CNC GEAR HOBBING MACHINERY

GLEASON GP3000 (6) Axis CNC Gear Hobber. S/N. 993401 (2008); 11.81" Work Piece Diameter; (6) Module; 15.75" Maximum Axial Travel; +/-45 Deg. Maximum Hob Setting Angle; 150 ~ 250 RPM Maximum Workspindle Speed; 5.12" Maximum Hob Diameter; 8.66" Maximum Hob Length; HSK-B80 Taper Hob Clamping; 7.09" Tangential Slide Travel; 15 KW Hob Drive Motor; 900 RPM Maximum Hob Speed; ISO #30 Outboard Support Taper; 1.97" ~ 9.84" Center Distance from Workspindle to Hob Spindle; 3.94" ~ 19.69" Height from Workspindle to Hob Spindle; 11.81" ~ 27.56" Distance Between Workspindle & Tailstock Spindle Faces Extended Tailstock; FANUC 180i 6-Axis CNC Control. **ADDITIONAL OPTIONS:** Power Workpiece Chucking (Hydraulic) - Workspindle Gear Driven / Gleason #50 Taper; Live Center for Extended Tailstock Column; Chip Separator for Wet with 43" Exit Height; Smoke & Mist Collector; Rotary Style Fixed Deburr Reduction Attachment; Emergency Withdrawal; **AUTOMATION:** Two Station Carousel Loader with Fixed Jaw Assembly; Light Curtain for Manual Load to Fixed Cup; **WORKHOLDING & LOADER CUPS (One Shaft):** Work Arbor & Tailstock Center; Hob Arbor 1.25" Diameter; Hob Diameter Gauge. **(MACHINE, PACKAGE & OPTIONS ORIGINAL COST OVER \$600,000.00 IN 2008)**

PFAUTER PE150 CNC Gear Hobber. S/N. 28215 (1996); 6" Maximum Workpiece Diameter & Axial Slide Travel; 5 DP & 8 DP; 6.29" Table Diameter; 6" Maximum Center Distance; +/-45 Deg. Maximum Hob Setting Angle; 5" Hob Diameter; ISO 40 Hob Spindle Taper; GE FANUC Series 15-M CNC Control

PFAUTER PE150 CNC Gear Hobber. S/N. 22534 (1991); 6" Maximum Workpiece Diameter & Axial Slide Travel; 5 DP & 8 DP; 6.29" Table Diameter; 6" Maximum Center Distance; +/-45 Deg. Maximum Hob Setting Angle; 5" Hob Diameter; ISO 40 Hob Spindle Taper; ALLEN-BRADLEY Series 8200 CNC Control

GEAR SHAVING MACHINERY

HURTH ZSA-220 Gear Shaver. S/N. 23279; 8.66" Maximum Diameter Gear; 8 - Maximum Diametral Pitch; Change Gears

RED RING Gear Shaver. S/N. GCU-2844; 12" Cutter Head 1.5" From Cutter Spindle; Change Gears

RED RING Gear Shaver. S/N. GCU-2487; 9" Cutter Head 1" From Cutter Spindle; Change Gears

RED RING Gear Shaver. S/N. GCU-2384; 9" Cutter Head 1" From Cutter Spindle; Change Gears

RED RING Gear Shaver. S/N. GS-1295; 9" Cutter Head 1" From Cutter Spindle; Change Gears

TWIN COLUMN HORIZONTAL AUTOMATIC BANDSAW

BEHRINGER HBP303A Twin Column Horizontal Automatic Bandsaw. S/N. 700460. (2000); 12" Round Cutting Capacity; 12" x 12" Square Cutting Capacity; 27.6" Working Height; Bundle Cutting; Vertical & Horizontal Clamping; 62 ~ 427 SFM Cutting Speed; Chip Conveyor; 18" Wide x 13' 6" Heavy Duty Roller Conveyor; PLC Control

FRICTION WELDING

IFW (Inertia Friction Welding, Inc) THFU-60HWG Friction Welder. S/N. 686061 (Remanufactured 1998 @ a cost of over \$250,000); Capacities: Welding Capacity/Tubular Interface - 4.0 SQ. IN. Max.; Welding Capacity/Solid Interface (Inch) - 3.0" Dia. Max.; Thrust Load - 75,000 LBS; Electrical Service - 100 Amps; Normal Hydraulic Oil Operating Temperature - 115 ~ 130 Deg. F; Maximum Spindle Speed - 1,670 RPM; Maximum Slide Travel - 14.0"; Thrust Cylinder Area - 39.27 SQ. IN; Hydraulic Reservoir Capacity - 100 Gal; Hydraulic Volume (Tooling Pump Variable) - 15.7 GPM; Hydraulic Volume (Main Pump High Pressure) - 35.6 GPM; Hydraulic Pressure (Tooling) - 1200 PSI; Hydraulic Pressure (Thrust) - 1900 PSI; Spindle Drive Motor - 60 HP; Main Pump Motor - 20 HP

CNC LATHES

OKUMA CAPTAIN L370 CNC Lathe. S/N. 04 2004 109578 (2004); 14.56" Maximum Turning Diameter; 39 ~ 3,800 RPM Spindle Speed; (12) Position Turret; Tailstock; Collet Chuck; Chip Conveyor; OKUMA OSP E100L CNC Control

OKUMA CROWN L1060 Type 762S BB CNC Lathe. S/N. 05 2000 1897 (2000); Axis Travels: 7.28" X Axis, 20.47" Z Axis, 21.65" Swing Over Bed; 15.75" Swing Over Cross Slide; 10.63" Max. Turning Dia.; 65-3,500 RPM Spindle Speed; 4.72" Spindle Diameter;

3.15" Spindle Bore; (12) Position Turret; Tailstock; Power Hold Collet Chuck; 20 HP Main Spindle Motor; Chip Conveyor; OKUMA OSP U10L CNC Control

OKUMA IMPACT LU15-MW CNC Lathe. S/N. 10604118. (1996); Axis Travels: 10.24" X Axis, 25.20" Z Axis; 20.87" Swing Over Bed; 14.96" Swing Over Carriage; 12.99" Swing Over Cross Slide; 10.63" Max. Turning Dia.; 2.44" Through Hole Spindle; 2.89" Through Hole for Sub Spindle; (12) Position Turret; Collet Chuck; Parts Catcher; Chip Conveyor; OKUMA OSP 7000L CNC Control; W/ LNS Hydrobar Sprint 14' Bar Feed

OKUMA LB15-W CNC Lathe. S/N. A321; (12) Position Turret; Sub Spindle; Collet Chuck; Chip Conveyor; OKUMA OSP5020L CNC Control; W/ LNS 6.65HS-5.2 Hydrobar 15' Bar Feed

OKUMA LNC-8W CNC Lathe. S/N. 0508B792; (12) Position Turret; Sub Spindle; Collect Chuck; Chip Conveyor; OKUMA OSP5020L CNC Control; W/ LNS 6.65HS-5.2 Hydrobar 15' Bar Feed. S/N. 36188

IKEGAI TUR 15 CNC Lathe. S/N. 55056V (1997); Axis Travels: 6.69" X Axis, 16.5" Z Axis; 16" Max. Turning Diameter; 2.24" Through Hole; (12) Position Turret; Tailstock; 40 ~ 4,000 RPM Spindle; 7" Microcentric CB65-ND S.22 Collet Chuck; Fanuc Series 18-T CNC Control; W/ LNS 6.52HS-4.8 Hydrobar Bar 15' Bar Feed

IKEGAI TC26 CNC Lathe. S/N. 53595V (1995); 12" (4) Jaw Chuck; (12) Position Turret; Chip Conveyor; Fanuc Series 18i-T CNC Control

HAAS HL-1 CNC Lathe. S/N. 60012 (1995); Axis Travels: 8.45" X Axis, 20" Z Axis, 20" Swing; 9.5" Swing Over Cross Slide; (10) Position Turret; Collect Chuck

CNC VERTICAL MACHINING CENTERS

OKUMA MX-45VAE CNC Vertical Machining Center. S/N. 0656; Axis Travels: 22.05" X Axis, 18.11" Y Axis, 17.72" Z Axis; 6.30 ~ 24.02" Table Surface to Spindel Nose; 18.11" x 39.37" Table Size; 500 LB Table Capacity; 50 ~ 7,000 Spindle RPM; 40 Taper; 10 HP Main Spindle Drive; (20) Station ATC; Chip Pan; OKUMA OSP 700M CNC Control

HAAS VF-1 CNC Vertical Machining Center. S/N. 1424 (1991); Axis Travels: 20" X Axis; 16" Y Axis; 20" Z Axis; (16) Position ATC

CNC & CONVENTIONAL GRINDING

MITSUBISHI RC32-50A CNC O.D. Grinder. SN. 94.9.20 (1994); 12.6" Swing; 6.5" Stroke; 19.7" Center Distance; 11.8" Max. Workpiece Diameter.; 331 LBs Max. Workpiece Weight; 18" X 2.95" Wheel Diameter @ 1800 RPM; 6" Wheel Bore Diameter; Control Gaging 3000; FANUC 16.GC CNC Control

MITSUBISHI RD23-B35A CNC O.D. Grinder. S/N. 9K373 (1996); 16" X 1.96" Wheel Diameter @ 2121 RPM; 5" Wheel Bore Diameter; Marposs E9; FANUC Series 18.T CNC Control

SUPFINA SM667NC (4) Stone Super Polishing Machine. S/N. 310.068

FORTUNA O.D. Grinder. S/N. 13598; 20" Dia. x 1.5" Width Grinding Wheel; 25 ~ 265 RPM Wheel Speed

CINCINNATI MILACRON 10 X 18 - 460 Plunge Grinder Model DA. S/N. 35432A376-0002; 10" Swing x 18" Between Centers; 40" Dia. X 4" Width Grinding Wheel; Marposs E9

CINCINNATI FILMATIC Twin Grip Centerless Grinder. S/N. 6M12H5S-35; 14" x 10" Grinding Wheels

BROWN & SHARPE 181 8-26 O.D. Grinder. S/N. 466; 24" X 2.5" Grinding Wheel

BROWN & SHARPE 618 MICROSTATIC O.D. Grinder; Hydrostatic Spindle; 24" x 4" Wheel Size

MANUAL MACHINE TOOLS

GIDDINGS & LEWIS FRASER ENDOMATIC Facing & Centering Machine. S/N. E130; Chip Conveyor; Acu-Rite DRO

BRIDGEPORT EZ-TRAK DX Milling Machine. S/N. BR-271648E; 9" X 48" Table, Power Feeds; 4500 RPM Spindle Speed

W. H NICHOLS Horizontal Spindle Milling Machine. S/N. 8P77049; 36" x 9" Table

HARDINGE SUPER-PRECISION Lathe; (3) Jaw Chuck; 125 ~ 3,000 RPM
SUPFINA SM667NC (4) Stone Super Polishing Machine. S/N. 310.068

JONES & LAMSON N.5 Universal Turret Lathe. S/N. 62605; Collet Chuck; (6) Position Turret; (4) Way Tool Post

CLAUSING (6) Inline Spindles Heavy Duty Gang Drill; Spindle Speeds 150-2,000 RPM; 2' x 10' Table

EX-CELL-O 74A Lapping Machine. S/N. 74569. (1990); 10" Max. Dia.; 36" Max. Length; 15/16" Max. Dia. Centers; 1" Max. Dia. Lapping Stone; 1- 1/2" Max. Stroke of Lapping Spindle; 1/2 HP Drive Motor; 1,800 RPM

NORTON HYDROLAP 28" Lapping Machine. S/N. 2910

6-AXIS ROBOT

ABB Type IRB 6400/M97 (6) Axis Robot. S/N. 64A-00156 (2006); Robot Version 2.4M; 120kg Pay Load Capacity w/Control Module

INSPECTION, MEASURING & LAB EQUIPMENT

M & M PRECISION SYSTEMS INC. Gear Checker; W/ HP 9122 C, 9153C & 9000-300 Desktop Computers; 48" x 48" x 8" Black Granite Surface Plate

MICRO-VU 9050A Video Measuring System; W/ Sony Trinitron & Dell Monitors
Eventude Expressway Video Quality Check System; W/ Sony Trinitron Monitor & HP 9144 Desktop

JONES & LAMSON EPIC 130 Optical Comparator. S/N. C-521815. (1987); W/ Decimetric II Digital Position Readout

OPG XL-17 Optical Comparator. S/N. XL140 0348; W/ Di-Metric Measuring System; Online Multiplier; 100X Magnification

(Qty-6) SOLARTRON DR600/DR700 Digital Readouts; W/ (10) Transducers

STURTEVANT RICHMONT System 3 Torq-Tester; W/ M-H-150 Hand Torque Tool Analyzer

Microscopes Including; Shimadzu No. 3042 Microscope; Unitron Bi5-122 Microscope; Olympus Tokyo MG Microscope & Collins Microscope

BUEHLER PNEUMET I Mounting Press; W/ Leco Desicator Cabinet

Dual Wheel Polishing Stations (Qty-2)
Various Sizes of Granite Blocks (Qty-12)

ROLLING STOCK

5,700 LB HYSTER E65XM2-40 Electric Forklift. S/N. F108V25250Z; 5,700 LB. Lift Capacity; 12561 Hours; Triple Mast; Side Shift; Overhead Protection; Hydraulic Forklift Expansion; 54" Fork Length. Ferro 3PF24B-865EMEP-2 PF-1 Charger

5,000 LB HYSTER E50XM-27 Electric Forklift. S/N. F10BV0985BU; 4,900 LB. Lift Capacity; 8,122 Hours; Triple Mast; Side Shift; Overhead Protection; Hydraulic Forklift Expansion; 41" Fork Length. UL 880M1-18E Battery Charger

MINUTEMAN POWERBOSS PB260026QP 260 Industrial Floor Scrubber S/N. YPB260026QP0801

COMPRESSED AIR & HANDLING SYSTEMS

200 HP SULLAIR LS25-200L Air Compressor. S/N. 003-119615. (1999): Max. Rated Air Pressure 100/110 PSIG

200 HP SULLAIR 32-200-L Sulliscrew Air Compressor. S/N. 22671-GCE. (1975); 150 PSIG Max Allowable Working Pressure

SULLAIR SRD-1000WC Chiller. S/N. 005-D15941. R-22 Freon; 100/150 PSIG Max Air Pressure

WESSELL Vertical Air Receiver (1987); 200 PSI @ 450 Degrees F Max. Pressure; 2:1 Head Ratio; .230" Shell Thickness; **Wessel Vertical Air Receiver (1980);** 125 PSI @ 450 Degrees F Max Pressure; 2:1 Head Ratio; .160" Head Thickness; .172" Shell Thickness

AIR FLOW SYSTEMS Fume Collector; W/ Ducting & (2) Hoods

MATERIAL HANDLING

Material Handling Cradles W/ Lifting Spread; Cradles 8' L x 22" W x 15" Deep (**Qty-15**)

3 Ton Gorbel Floor Standing Jib Crane; W/ Coffing 3 Ton Hoist, 12' Arm Length

2,200 LB Alty Dual Stage Pallet Jack, 2,200 LB Lifting Capacity; 44" Fork Length; 14" Between Forks (**Qty-2**)

2,200 LB Interthor Dual Stage Forklift Pallet Jack; 45" Fork Length; 14" Between Forks

Lift Rite L50 Pallet Jack; 3' Fork Length; 7" Between Forks (**Qty-3**)

T & S Foot Peddle Operated Air Lift Table; 45" Max. Lift Height; 24" x 22.5" Table Size (**Qty-4**)

VESTIL Forklift Boom Attachment; 10,000 LB Lifting Capacity, 7' Boom Length

Morse Barrel Dumper Forklift Attachment & Hopper Dumper Forklift Attachment

GSE 625 4,000 LB Capacity Shipping Scale; W/ Conveyor

KALCON MONALON Coolant Filtration Unit

ANCHORPACK Cardboard Compactor

HSM Profripack 425 Cardboard Cutter. S/N. 290137661

PRE-SETTER, TOOLING & CABINETS

KOMET SETMASTER I Tool Presetter. S/N. L00 20010

IKEGAI (BIG) UR15-S Live Tool Holder; Fitted W/ DAISHOWA SEIKI NBN20 Big New Baby Chuck

IKEGAI (BIG) UR15-F Live Tool Holder; Fitted W/ DAISHOWA SEIKI NBN20 Big New Baby Chuck (**Qty-2**)

LISTA (8) Drawer Ball Bearing Tool Cabinet Including; Gauges; Cutting Tools; Collets & Chuck Jaws

LISTA (10) Drawer Heavy Duty Ball Bearing Cabinet Including; IKEGAI Chuck Jaws; Cutting Tools & Fixtures

LISTA Work Bench W/ Ball Bearing Drawers; Bench Top Measures 27" x 72"; 30 LB Rail Hook & Monitor Arm

TERMS & CONDITIONS

A 15% Buyer's Premium will be charged.

ALL PAYMENTS MUST BE MADE BY WIRE TRANSFER, CASHIER'S CHECK OR COMPANY CHECK SENT TO PERFECTION INDUSTRIAL SALES HEAD OFFICE. ANY BUYERS INTENDING TO SPEND OVER \$25,000.00 MUST SEND A BANK LETTER GUARANTEEING PAYMENT TO PERFECTION INDUSTRIAL SALES. THE BANK LETTER MUST BE RECEIVED BY MONDAY, FEBRUARY 7TH.

The following example can be used for reference: Mr. "Buyer Name" is a customer of this bank. This bank will guarantee unqualified payment to Perfection Industrial Sales up to the amount of \$..... This letter is good and valid until February 28th, 2011.

Although all information has been obtained from sources deemed reliable, Perfection Industrial Sales and seller make no warranty or guarantee, expressed or implied, as to the accuracy of the information contained in this brochure. It is for this reason buyers should inspect the equipment prior to purchase. Perfection Industrial Sales reserves the right to withdraw items, alter the order of sale and accept bids from the seller. Please see www.perfectionindustrial.com for full terms and conditions.