

COLUMBIA GEAR EQUIPMENT

GEAR GRINDING EQUIPMENT

(2) Gleason Pfauter 600/800 CNC Gear Grinders - 1 w/int
Oerlikon Maag Opal 420 CNC VIT/CBN Gear Grinder
Niles ZX 1000P
Hofler 400KK CNC Gear Grinder
Niles 630 ZE CNC VIT/CBN Gear Grinder
Niles 400ZE Gear Grinder
Hofler Rapid 900 Gear Grinder
Gleason 1600 CNC VIT/CBN Gear Grinder w/int
Gleason 1200/1450 CNC VIT/CBN Gear Grinder w/int
Liebherr LGG500 Gear Grinder

GRINDING EQUIPMENT

(2) Okamoto IGM-2M MDI Internal Grinders
Okamoto IGM-15N C-2 Internal Grinder
Okuma GI-20N VIT/CBN Bore and Face Grinder
(2) Okuma GI-20N 1WS CNC Internal Grinders
(2) USACH/Tripet 150 CNC VIT/CBN Bore and Face Grinder
Cincinnati Milacron Heald Model 2EF73 Sizematic Internal Grinder
(2) Mitsubishi RD 32-B100A 12x40 CNC External Grinders
Mitsubishi RD32-B75A CNC External Grinder
(2) Precise Products Corporation Super 60 Center Hole Grinders
Excello No. 174A Center Lapper
Blanchard 18-30 Grinder
Cincinnati No. 2 Centerless Grinder w/Automatic In-Feed
(2) Mitsubishi PD32-100 CNC Groove Grinders
Mitsubishi PD32-32 CNC Groove Grinder
Studer S33 CNC Plunge/Anglehead Grinder
SMTW Centerless Grinder
(2) USACH 200 40"x60" Internal/External Grinder
Okuma GA-47 FII

HOBBIING EQUIPMENT

(4) Gleason GH400 CNC Hobbers
Liebherr L901 w/Template Crown Attachment
Gleason GH400 CNC w/Loader
(3) Liebherr L752 CNC Hobbers
Barber-Colman 16-36 Hobber
Liebherr LC280 Hobber
(2) Liebherr LC500 Hobber
Gleason 1200H External/Internal Hobber/Gasher
Gleason 1600/2000 External/Internal Hobber Gasher

BALANCING EQUIPMENT

Hofmann PCXZ100.1 Balancer
Hofmann 18-1 Two Plane Dynamic Balancer
Gisholt Static Balancer
Hofmann PCHV100.1 Balancer

SHAPING EQUIPMENT

Lorenz LS420 CNC Shaper
Fellows 10-4 Gear Shapers w/4" Risers
Fellows 10-2 Gear Shaper w/6" Riser
(5) Fellows Model 20-4 Gear Shapers
(4) Fellows 36" Gear Shapers w/2" to 8" Risers
Fellows 36" Gear Shapers w/12" Tilting Riser w/Range 0 to 8-1/2 °
(3) Gleason 600/800ES Guideless CNC Gear Shaper w/8" Riser
Gleason 600/800S CNC Gear Shaper 4" Riser
(2) Gleason 500 CNC Gear Shapers
Gleason 1200/1600S Hydro Stroke
Liebherr LS500E Shaper

SHAVING EQUIPMENT

(2) Churchill Model GS12SA Shavers
National Broach GCV-12 Shaver w/Crowning
National Broach GCU-18 Shaver

TURNING EQUIPMENT

(2) Okuma Crown BB CNC Lathes w/Robotic Loader
(3) Okuma Cadet LNC8 CNC Lathes
(3) Okuma L1420 BB CNC Lathes
Okuma LB15 CNC Lathe
(2) Doosan Puma 400 CNC Lathe
(2) Okuma Lathes Model LU45-1000
Okuma Lathes Model LU45-2000
Okuma Lathes Model LU45M-2000
(3) Okuma Lathes Model LB45-1000
Okuma Lathe Model LB45-2000 CNC Lathe
Okuma-Howa Model 2SP-V80 Twin Spindle VTL
Doosan 850 VTL
(2) Doosan 850T Twin Spindle VTL
Mazak Super Quick Turn 18M CNC Lathe
Mazak Twin Spindle Lathe Dual Turn 20
Mazak Quick Turn 35XS CNC Lathe
(2) Daewoo Puma 300LC CNC Lathes
(4) Daewoo 700 CNC Lathes
Daewoo Puma 250-2SPGL w/Robotic Loader
Mori-Seiki MT25002S Multi-Function CNC Lathe
Alpha CNC Engine Lathe
(2) Okuma LU35 CNC Lathes
Okuma LT25-M Twin Spindle CNC
Milltronics ML26 CNC Lathe
Hankook 140E VTL w/Live Tools
Hankook 160E VTL w/Live Tools
(2) Okuma V100R-M VTL's
(2) Doosan 4100B Lathes
Hyundai LU800L CNC Lathe
Hyundai LU800RM CNC Lathe

1-800-323-9838

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MACHINING CENTERS

(3) Mazak Model V515/40 CNC Vertical Machining Centers
(5) Mazak 680FH HMC Pallettech System
Cincinnati Maxim 630 CNC HMCs w/Pallet Exchange
(3) Cincinnati Magnum 800 CNC HMC Flexible Machining Centers
KIA 630 HMC
Johnford Model SV45H-Vertical Machining Centers
Kitamura 500 HX CNC HMC
Okuma MX55VB VMC
(2) Milltronics VMC
(2) Mazak HCN6800 HMC
Mazak HCN 8800 HMC
(2) Mazak HCN 10800 HMC
Haas VF2 VMC
Haas VF3 VMC
Haas VF3 YT50 VMC
Haas UMC 750 5-Axis VMC
Okuma MB 8000H HMC
Okuma MA 500H HMC
Okuma MA 600HB HMC
Hyundai KH1000 HMC

MILLING, DRILLING AND BROACHING EQUIPMENT

Giddings & Lewis Fraser Endomatic MC Milling and Centering Machine
Bridgeport Model 124606 Vertical Mill
Dadson DS6500-36 Gun Drill
Clausing Drill No. 22284 (4) Spindle Gang Drill
Detroit Broach Model 10 Ton/54" Vertical Pull Broach
Colonial 10 Ton/66" Vertical Pull Broach
Colonial Model RFD 25 Ton/66" Vertical Pull Broach
Colonial 25 Ton/66" Vertical Pull Broach
American Model H 15 Ton/66" Horizontal Pull Broach
Colonial 30 Ton/72" Vertical Pull Broach
APEX 30 Ton/72" Vertical Pull Broach
Broaching Machine Specialties - Hi-Speed Broach
Detroit 25 Ton/72" Vertical Pull Broach
Detroit 50 Ton/72" Vertical Pull Broach

INSPECTION EQUIPMENT

Brown & Sharpe 12-15-10 CMM
M&M Model 3515 Gear Analyzer
M&M Sigma 15 Gear Analyzer
Gleason 3000 GMM Gear Analyzer
Klingenberg P100
Fellows No. 8M Red Liner w/Recorder
(3) Parkson Gear Checkers
(8) National Broach Model SIC Gear Checkers
ITW Over Pin Gear Checker w/Read-Out
(2) Brown & Sharpe Validator Excel 9x15x9 CMMs
Brown & Sharpe 15-24-14 CMM
Zeiss Contura CMM
Kodak Model No. 2A Contour Projector
Video Probe Welch Allyn
(11) Federal Air Gages Model D-200
(3) Profilometers (Taylor Hobson, Mitsotoyo, Federal)
Magnaflux Type ANQ-483-A Magnetic Inspection Machine
Magnaflux Type SB-1416 DeMagnetizer
(2) Nital Etch Inspection Stations
Rockwell Hardness Tester
Tukon Model MO Microhardness Tester
King Brinell Hardness Tester
Olympus SZ Microscope
Olympus PME Metallograph
Barkhausen Roll Scan
Emco Test N7P Tooth Profile Hardness Tester

MISCELLANEOUS GEAR CUTTING EQUIPMENT

(2) Gleason No. 16 Hypoid Generators
Cross No. 55 Tooth Rounding & Pointing Machine
Cross No. 65 Tooth Rounding Machine
(2) Cross No. 75 Tooth Chamfering Machines
Osborn No. 3A Brush Finishing Machine
(3) Redin Model 20 Top and Bottom Head Gear Deburring Machines
Mutschler Model 711 Gear Deburring Machine
(6) Chamfermatic Deburring Machiens
Marand Spline Roller



Columbia Gear
Corporation

A SUBSIDIARY OF INDUSTRIAL MANUFACTURING COMPANY

530 COUNTY ROAD 50, AVON, MN 56310

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