



Corporate HQ & Manufacturing:
 One Precision Drive
 St. Augustine FL 32092
 904-829-5652

Manufacturing:
 61 Felton Street
 North Tonawanda NY 14120

Gear Manufacturing Equipment List - FL Facility

| Gear Cutting (Hobbing & Shaping) | |
|---|--------------------------------|
| QTY | Description |
| 1 | Samputensili S130 Dry Hobber |
| 1 | Samputensili SU 250 Dry Hobber |
| 1 | Samputensili SU 300 Hobber |
| 1 | Mitsubishi GE25A Dry Hobber |
| 1 | Liebherr LC 502 Hobber |
| 1 | Fellows 10-2 Shaper |

| Gear Grinding | |
|----------------------|-------------------------------|
| QTY | Description |
| 1 | KAPP KX 160 Twin Gear Grinder |
| 6 | KAPP KX 300P Gear Grinder |
| 1 | Reishauer RZ301 Gear Grinder |
| 1 | Reishauer RZ362A Gear Grinder |
| 1 | Reishauer AM Dresser |
| 1 | Reishauer AZA Dresser |

| Lathes & Turning | |
|-----------------------------|-------------------------|
| QTY | Description |
| 2 | EMAG VL5i Lathe |
| 2 | Mazak Nexus 200 Lathe |
| 1 | Mazak Nexus 250 Lathe |
| 1 | Mazak 350-II Lathe |
| 1 | Okuma LB 25 Lathe |
| 1 | Okuma LB 35 II Lathe |
| 1 | Summit 14" Lathe |
| 1 | Cincinnati Engine Lathe |

| Grinding (Surface, OD & ID) | |
|--|------------------------------------|
| QTY | Description |
| 1 | Junker Quickpoint 3000 OD Grinder |
| 1 | Studer S41 Universal CNC Grinder |
| 1 | Fortuna FM4 CNC Universal Grinder |
| 1 | Toyoda G Cylindrical Grinder |
| 1 | Okuma GP44 CNC Cylindrical Grinder |
| 1 | Myford Cylindrical Grinder |
| 1 | Blanchard Grinder |
| 1 | Lapmaster Grinder |
| 1 | Excello Lapper |
| 1 | J & S Center Grinder |
| 1 | Norton Surface Grinder |

| Mills, Drills, Broaches & Washers | |
|--|--------------------------------|
| QTY | Description |
| 1 | Okuma 3VA Machine Center |
| 1 | Haas VF-4 Mill |
| 1 | Mazak Nexus VCN-410A Mill |
| 2 | Haas Minimill |
| 1 | Bridgeport Mill |
| 1 | Sodick Wire EDM AQ750L |
| 1 | Lapoint 2T/24" Vertical Broach |
| 1 | Ransohoff Lean-veyor Washer |
| 2 | Grapar Washer |
| 1 | Renegade Washer |
| 1 | Snow Drill |
| 1 | Drill Press |

| Inspection | |
|-------------------|------------------------------------|
| QTY | Description |
| 1 | Klingelnberg P26 Gear Analyzer |
| 1 | Klingelnberg P40 Gear Analyzer |
| 1 | M&M Sigma 3 Gear Analyzer – 14" OD |
| 1 | M&M 3525 Gear Analyzer – 25" OD |
| 1 | Brown & Sharp CMM – 24" x 30" |
| 4 | Intra Automatic TCE Gauges |
| 1 | M&M Manual TCE Gauge |
| 2 | Rockwell Hardness Checker |
| 1 | Surface Temper Etch |
| 1 | Magnetic Particle Inspection |
| 1 | Electrical Runout |

| Other | |
|--------------|-----------------------------|
| QTY | Description |
| 1 | Dynamic Balancer |
| 3 | Laser Marker |
| 2 | Champfermatic |
| 1 | Sicmat Roll Debur |
| 1 | Gratomat |
| 1 | Denison Multipress 10T |
| 1 | Panograph |
| 1 | Divine Brush |
| 2 | Glass Bead Blasters |
| 1 | Aronson Assembly Positioner |



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| Gear Cutting (Hobbing & Shaping) | |
|---|--------------------------------|
| QTY | Description |
| 1 | Liebherr L402 Hobber |
| 1 | Liebherr L1202 Hobber |
| 1 | Pfauter P400 Hobber |
| 1 | Pfauter P630 Hobber |
| 1 | Gleason-Pfauter P500 ES Shaper |
| 1 | Lorenz CNC Shaper |
| 1 | Barber Colman 6-10 Hobber |
| 1 | Barber Colman 16/16 Hobber |
| 1 | Lees Bradner Thread Mill |
| 1 | Vinco Vertical Lapper |

| Gear Grinding | |
|----------------------|---------------------------------|
| QTY | Description |
| 1 | KAPP Niles ZP 12 Gear Grinder |
| 1 | KAPP Niles ZX 1000 Gear Grinder |
| 1 | KAPP Niles ZE 800S Gear Grinder |
| 1 | KAPP Niles ZE 400 Gear Grinder |

| Lathes & Turning | |
|-----------------------------|---------------------------|
| QTY | Description |
| 1 | Doosan Puma 4100LB Lathe |
| 1 | Doosan Puma GT2100B Lathe |
| 2 | Doosan Puma V550 Twin VTL |
| 1 | Okuma LB 15 Lathe |
| 1 | Okuma LB 25 Lathe |
| 1 | Cincinnati CNC Lathe |
| 1 | Nardini Engine Lathe |
| 1 | Leblond Engine Lathe |

| Grinding (Surface, OD & ID) | |
|--|---------------------------------|
| QTY | Description |
| 1 | Supertec CNC G38P OD Grinder |
| 1 | Okuma GI-20N ID Grinder |
| 2 | Heald 273A ID Grinder |
| 1 | Fortuna CNC Cylindrical Grinder |
| 1 | Myford Cylindrical Grinder |
| 1 | Chevalier Surface Grinder |
| 1 | Blanchard Grinder |
| 1 | J & S Center Grinder |
| 1 | Klein Center Lapper |
| 1 | Sunned Horizontal Hone |

| Mills, Drills, Broaches & Washers | |
|--|-----------------------------------|
| QTY | Description |
| 1 | Haas VF-3YT/50 CNC Milling Center |
| 1 | Okuma MX55VB CNC Milling Center |
| 1 | 30T Cincinnati Vertical Broach |
| 1 | 15T Lapoint Horizontal Broach |
| 1 | Mitsubishi Wire EDM FA20P |
| 1 | Bridgeport Mill |
| 1 | Clousing Drill |

| Inspection | |
|-------------------|-------------------------------------|
| QTY | Description |
| 1 | Gleason 1000 Gear Analyzer - 40" OD |
| 1 | Peco Gear Analyzer - 12" dia. max |
| 1 | Hommel Redliner TCE - 6" dia. max |
| 1 | Fellows Redliner TCE - 20" dia" max |
| 2 | Worm Gear Contact Pattern Checker |
| 2 | Worm Gear Backlash Checker |
| 2 | Rockwell Hardness Checker |
| 1 | Surface Temper Etch |
| 1 | Magnetic Particle Inspection |
| 1 | Electrical Runout |

| Other | |
|--------------|--------------------------|
| QTY | Description |
| 1 | Dynamic Balancer |
| 1 | Peerless Saw |
| 1 | Vertical Banc Saw |
| 1 | Abrasive Saw |
| 1 | Divine Brush |
| 1 | Gratomat |
| 1 | Harrison Deburring Lathe |
| 1 | VacuBlast |
| 1 | Furnace |
| 1 | Freezer |
| 1 | Rotary Table |