



## Equipment and Facilities List

### GEAR SHAPING

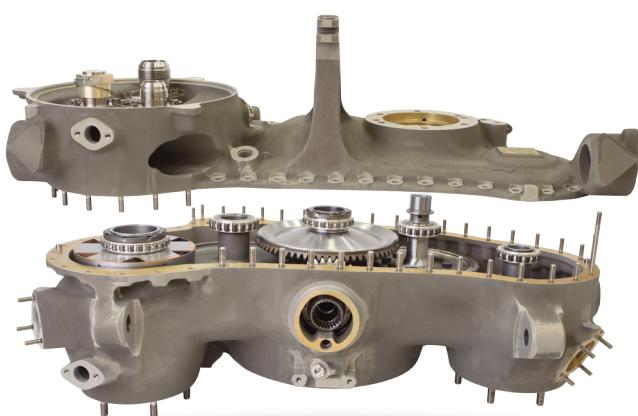
- (1) Fellows 20-8 6-axis CNC shaper, 20" maximum pitch diameter, 23" vertical clearance, 8" stroke, with tailstock
- (1) Fellows 20-4 shaper, 20" maximum pitch diameter, 23" vertical clearance, 4" stroke
- (2) Fellows 10-4 4-axis CNC shaper, 10" maximum pitch diameter, 10" vertical clearance, 4" stroke
- (1) Fellows 10-4 shaper, 10" maximum pitch diameter, 10" vertical clearance, 4" stroke, with tailstock
- (3) Fellows 10-2 shaper, 10" maximum pitch diameter, 10" vertical clearance, 2" stroke, with tailstock
- (4) Fellows FS180 5-axis CNC shaper, 7" maximum pitch diameter, 10" vertical clearance, 1.25" stroke
- (1) Fellows 7125A shaper, 7" maximum pitch diameter, 5" vertical clearance, 2" stroke

### GEAR HOBBLING

- (1) Barber-Colman 6-10 hobber, 6" maximum pitch diameter, 10" length
- (1) Barber-Colman 16-36 multi-cycle hobber, 16" maximum pitch diameter, 36" length, with differential
- (1) Jeil JDP-2 hobber, 20" maximum pitch diameter
- (1) Mitsubishi GE15A CNC hobber, 7" maximum pitch diameter
- (1) Pfauter P320 CNC hobber, 12" maximum pitch diameter, 8" length, 3 DP maximum, for spur and helical gears and splines, with crowning and taper hobbing

### BEVEL GEAR EQUIPMENT

- (2) Gleason Phoenix 400PG CNC hypoid gear grinder, work diameter up to 16", for grinding hypoid or spiral bevel gears
- (2) Gleason Phoenix 200PG CNC hypoid gear grinder, work diameter up to 12", for grinding hypoid or spiral bevel gears
- (1) Gleason Phoenix 250HC hypoid cutting machine, work diameter up to 18", for grinding hypoid or spiral bevel gears
- (2) Gleason Phoenix 175HC hypoid cutting machine, work diameter up to 12", for grinding hypoid or spiral bevel gears
- (1) Gleason #523 bevel gear tester
- (1) Gleason #14 bevel gear tester
- (7) Gleason #13 bevel gear tester
- (5) Gleason #6 bevel gear tester
- (1) Gleason #439 (#104) straight bevel generator
- (2) Gleason #429 (#14) straight bevel generator
- (2) Gleason #12 straight bevel generator
- (5) Gleason #15 blank checker, with digital readouts
- (1) Gleason #572 creep feed cutter sharpener
- (2) Gleason #12 cutter blade sharpener
- (1) Gleason #528 cutter truing device







## FULLY EQUIPPED GEARBOX TEST FACILITY • OTHER EQUIPMENT

- (7) Aqueous part cleaning systems
- (1) Black Diamond drill grinder
- (1) Blue M oven, 25" x 38" x 20", 650°
- (1) Caterpillar F35 fork truck
- (1) Clark ECS 25 fork truck
- (2) CMV abrasive blast unit
- (1) DoAll 16-3 vertical bandsaw, 16" throat
- (1) Fellows 6S helical cutter sharpener
- (1) Greive oven, 36" x 36" x 36", 350°
- (1) Grove SM2633BE man lift
- (1) Ingersoll EDM, 23" x 42" tank, equipped with ERM 120 amp power supply
- (1) JLG 20DVL man lift
- (1) Magna-flux magnetic particle inspection machine and Magna-flux demagnetizer
- (1) Mark V dot peen marking machine
- (1) Marvel Series 9 power hacksaw, 10" x 10" capacity
- (2) Pressure Blast vapor blast unit
- (1) Rosler R 320 rotary vibrator, 10 ft<sup>3</sup> capacity
- (1) Roto-Finish vibratory finisher, 10 ft<sup>3</sup> capacity
- (1) Schenck AB10/CAB70H dynamic balancer, horizontal, .16 to 16 gram inches, 2 to 130 lb part weight
- (1) Schenck VE3L/CAB700V dynamic balancer, vertical, .0008 to .8 gram inches, maximum 5.5 lb per plane
- (2) Shot peening Equipment
- (1) Sweco FMD-1LR finishing mill, 1 ft<sup>3</sup> capacity
- (2) C&M Tooling vibratory deburring tub, 2 ft<sup>3</sup>

