

**Triple Inc. Equipment List****INSPECTION EQUIPMENT**

8 Jones & Lamson Optical Comparators  
1 Dia-Met Gage  
4 American Optical Stereo Microscopes  
9 Microkator Comparators  
2 Sheffield Comparators  
3 Pla-Checks, 20 Gage Block Sets  
1 Lasermike with Computer Drive  
2 Micro-Vu Video/Optical Insp. Instr.  
4 Brown and Sharpe Micro-Hite  
1 B & S Model 1025 Electronic Amplifier  
1 Rockwell Superficial Hardness Tester  
1 Bore Scope w/ Video Display  
1 Computerized Diametrical Matching Station  
12 Mantis Optical Stereo Microscopes by Vision Engineering (4x / 10x)  
2 Cobra Optical Stereo Microscopes by Vision Engineering (up to 40x)  
1 Wilson Hardness Tester – Series 500  
2 Tesa Scan 50+ - 360° Electronic optical inspection scanners  
1 Mahr / Federal MMQ 400 Formscan  
1 Mahr / Federal 832 Amplifier and 0.00001 Indicator  
1 Wentzel CMM (installed 1-28-14)  
1 Zeiss Stereo Microscope with 27 in monitor up to 50X pluss  
1 Marh Digimar 817 CLM  
1 AmScope 45x SZM-4532  
2 Mitutoyo SJ-410  
1 Xcite-DCC CMM  
1 Z-Mike Benchmike 4025G  
1 Starrett HE400 Bench Top Horizontal Comparator with 14" view

**GRINDING**

2 #3 Moore Jig Grinders  
8 Parker Majestic Surface Grinders  
1 Dedtru Cylindrical Grinder  
1 Jones & Shipman CNC O.D. Grinder Suprema Easy  
1 Jones & Shipman CNC O.D. Grinder Ultramat  
1 Tschudin Manual O.D. Grinders  
1 Blohm Precision Hydraulic Surface Grinder HFS-6 with .00025 increment downfeed  
1 Studor FavoritCNC Universal OD/ID Grinder 10" X 40" between centers  
1 Krupp I.D. Grinder  
2 Studer Favorite CNC OD Grinders

**HONE/LAP EQUIPMENT**

- 6 Sunnen 1660 Honing Machines
- 1 Sunnen M-5000 Auto stroker
- 1 Sunnen 1804 Auto Stroker
- 1 Engis flat lap machine
- 1 Sunnen Hydraulic Press
- 1 Lap Master 15
- 6 Sheffield Air Columns
- 1 Edmunds Air Gauge
- 2 Marh Air Gauges
- 1 Sunnen Cylinder King CV-616 Vertical Hone with 24" Stroke

**SPECIAL EQUIPMENT**

- 1 Unitek Stored Energy Resistance Welder
- 1 Do All Band Saw 400AV
- 1 Parma Band Saw
- 11 Twister – Speed Lathes
- 1 Vapor Blaster
- 1 Eldorado Gundrill Model M75-15
- 1 Deburr Part Tumbler
- 1 Sunnen Hydraulic Press

**LATHES**

- 4 Mori-Seiki CNC Lathes
- 2 Mori Seiki CNC NL 2000
- 1 Clausing 600 15" Lathe
- 2 Hardinge Toolroom Lathes
- 1 Bridgeport Tormax 16" Lathe
- 1 Samsung SL-25
- 2 HAAS CNC Lathe ST 10
- 2 HAAS CNC Lathe ST 20
- 1 HAAS CNC Lathe ST 30
- 1 HAAS CNC Lathe SL 30 / Live Tooling / Full C-axis / 4-axis
- 1 HAAS CNC Lathe SL 20 / Live Tooling / Full C-axis / 4-axis

**MILLS**

- 3 HAAS CNC Mill VF2/4-axis
- 1 HAAS CNC Mill VF 4
- 3 HAAS CNC Mill VF 3 / 5-axis
- 3 Fadal 4-Axis Machining Centers
- 1 Fadal VMC 60-30 3-Axis Machining Center
- 4 Bridgeport Milling Machines
- 1 Excello Milling Machine
- 1 Gorton Milling Machine
- 1 Pratt & Whitney Jig Bore
- 1 Moore Jig Bore

**SWISS MACHINING CENTERS**

- 2 Miyano BNA 42GTy (2<sup>nd</sup> unit installed July 2017)
- 1 Citizen L-32
- 1 Citizen A-20

**EDM**

- 1 Charmilles Robofil 2050 TW SI
- 2 Charmilles Cut 200 SP
- 1 Charmilles D-20 EDM
- 2 Charmilles Roboform 350
- 1 Charmilles Robofil 2000 Wire
- 1 Dyna Myte 2400 CNC Electrode Milling Machine

**COMPUTER EQUIPMENT**

- (3) Windows 2010 Local Network Servers
- (36) Windows XP & 7 Workstations, Including 4 AutoCAD 2005 CAD/CAM Stations
- (4) Fujitsu Scanning Stations (Paperless Certification System)
- (25) Inter-tel VOIP Phone System
- Global Shop Solutions ERP Job Tracking Software (Fully Integrated Barcode Tracking & Follow-up System)
- UN Standard and ANSI X-12 EDI Communication Capabilities
- Predator & Esprit CNC Programming Software
- MasterCAM software
- Local and Cloud Backup system
- (3) Wi-Fi Routers (Wireless Capability throughout entire Office & Shop)
- Advanced Gage Control Software Technology Version 12.00
- InspectionXpert FAI Software.