# Equipment List:

## CNC Milling Centers
- (2) Haas Super VF-3 with 5th Axis
- (3) Mazak 410A with 4th Axis
- (4) Mazak 510C-II with 5th Axis
- (3) Mazak 510C with 4th Axis
- Mori Seiki MV-40
- Mori Seiki MV-40B
- Mori Seiki SV-500

## CNC Turning Centers
- (2) Mori Seiki-SL-150MC
- Mori Seiki-SL-1500
- Mori Seiki-SL154S
- (3) Mori Seiki-SL-150 CNC
- Mori Seiki-SL-15
- Daewoo Puma 4-3a
- Miyano JNC-35
- (3) Hardinge Chuckers
- Nardini Precision Engine lathe

## Swiss
- Star SB-16
- (4) Star SB-16D
- Tsugami B520-III Super
- (2) Tsugami ss-20
- Maier ML-26D Proline

## 7 Axis CNC Grinding Machines
- ANCA—TX7+
- ANCA—TG7

## Gun Drill
- El Dorado M30-15 Twin C (hole sizes .047 up to 5/16” and 12.5” in length)
- Dehoff DH-1036T Twin Spindle (hole sizes up to 1-1/8” and 36” in length)
- Dehoff DH-1036 Single Spindle (hole sizes up to 1-1/8” and 36” in length)
- (3) Sunnen Hone (Auto and Manual)

## Wire EDM
- (4) Brothers HS-70a
- Hole Master HM400
- Charmilles 310
- Charmilles 240 SL

## Manual Milling
- (2) Haas TM1
- (4) Bridgeport Series I

## Heat Treating
- Cress Heat Treat Oven

## Cleaning & Passivation
- Citric Passivation
- Ultrasonic Cleaning

## Laser Marking
- Laservall Violino Series DPSS Nd:YVO4 OEM Laser - Diode pump laser - 20 watt

## Material Handling / Saw Department
- GROB Band Saw (manual)
- Amanda HA250W Autosaw
- Amanda 250 Autosaw
- Doall Band Saw (manual)
- (2) ACM Abrasive Cut-off Saw

## Finishing Department
- Empire Tumble Blaster
- Mini Blaster
- (3) Glass Bead Blasters
- Sand Blaster
- Royson Centrifugal Tumbler
- HZ-40 Centrifugal Barrel Finisher

## Welding
- Miller Dynasty 350 Tig Runner

## Inspection
- Zeiss Contura GZ, Scanning CMM
- Zeiss — USOFT Software
- Numerex — USOFT Software

## Vision Systems
- RAM Optical—Data Star
- RAM Optical—Sprint (with touch probe)

## Optical Comparator
- (4) Deltronic DH216 with mpc-5 read out
- Gage Master (with Mitutoyo Geocheck read out)
- Wilson Hardness Tester
- 30” Deltronic with MPC-5 Read out

## Software
- Unigraphics NX
- SolidWorks
- CAMWorks
- ProCAD/ProCAM II