

# Equipment List

## CNC Grinding:

- 1 Walter 5-Axis OD Profile Grinder
- 2 Huffman CNC Profile Grinders
- 1 Chevalier CNC Surface Grinder

## Swiss Turning Machines:

- 15 Citizen 6-Axis Screw Machines w/ Milling Capability, Sub-spindle & bar feed
- 4 Tornos 9-Axis Screw Machine w/ Milling Capability, Sub-spindle & bar feed
- 1 Tsugami 8-Axis Screw Machine w/ Milling Capability, Sub-spindle & bar feed

(Note: (4) Swiss machines equipped with Gundrilling capability for Screw Cannulation)

## Robotic Finishing

- 1 Pinnacle 2-Head Buffing Cell: ABB Robot
- 2 Pinnacle 4-Head Belting Cell: ABB Robot

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# Equipment List

## Complex Machining Department:

- 1 Mori Seiki Eco Mill 4-Axis
- 2 Mori Seiki Super HiCell 250, Mill/Turn Centers
- 1 Mori Seiki NLC Lathe
- 6 Hurco VMIOi
- 6 Willemmin 5 Series
- 6 Willemmin 4 Series
- 1 Hitachi Seiki VS-40, 3-Axis MC
- 2 Haas - VMC, 5-Axis MC

## EDM :

### **Ram**

- 1 Charmilles Robofill 30
- 1 Makino EDAF 3

### **Wire**

- 1 Charmilles Robofill 310
- 2 Charmilles Robofill 330
- 1 Brother HS 50A 3-Axis Rotary Table
- 3 Acutek Wire EDM 3-Axis Submerged w/ Rotary

Hammmill

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## Inspection

- 11 30" Optical Comparators, 10, 20 & 30 X
  - 1 Wenzel CMM
  - 2 Browne & Sharpe Image CMMs
  - 3 Zeiss Surfcom
  - 1 OGP Vision Systems
  - 1 S-T Induries Vision System
  - 2 Lynx Vision System

## Welding:

- 1 Trumpf Trulaser Cell Laser Welder

## Finishing:

- 5 Trinco Dry Blast Booth
- 1 Guyson Automatic Multiblast
- 1 Royson Centrifugal Tumbling Machine
- 1 Grav-i-flow Barrel Tumbler
- 1 Anodize Line
- 1 Clean & Passivation Line
- 3 Laser Etchers
- 1 Eldorado Gun Drill
- 1 Solvac S1 Vapor Degreaser
- 1 Esma Peek Clean Line

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