

**PIONEER PRECISION PARTS, LLC**  
**EQUIPMENT LIST**  
As of May 2020

**Turning Equipment**

- (2) Mori-Seiki NLX 2500SY w/ Y axis, live tooling and sub-spindle, 10" chuck
- (1) Mori-Seiki NLX 2000SY w/ Y axis, live tooling and sub-spindle, 8" chuck
- (1) Doosan Puma 4100B w/ tailstock and 18" chuck
- (1) Doosan GT3100 w/ tailstock and 15" chuck
- (1) Doosan GT2600 w/ tailstock and 12" chuck
- (1) Doosan Puma 300C w/ tailstock and 12" chuck
- (3) Doosan Lynx 2100A w/ tailstock
- (1) Doosan Lynx 2100B w/ tailstock
- (2) Okuma ES-L6II CNC Lathe w/ tailstock
- (1) Nakamura Tome TMC18 CNC Lathe
- (4) Omni-Turn GT-JR CNC Lathe

**Milling Equipment**

- (1) Doosan VC630 5AX Milling Center w/ Probing System
- (1) Doosan NHP 4000 Horizontal Machining Center w/ Full 4<sup>th</sup> Axis and Probing System
- (1) Doosan HP 4000 Horizontal Machining Center w/ Full 4<sup>th</sup> Axis and Probing System
- (1) Mori-Seiki DuraVertical 5100 Vertical Machining Center w/ full 4<sup>th</sup> axis and HP Coolant
- (2) Kitamura HX-250IF Horizontal Machining Center w/ HP coolant and Full 4<sup>th</sup> axis

**Misc. Support / Inspection Equipment**

- (1) FMRD-48-1 HD 5-Axis Reverse Drag Finishing Machine (used for Turbine / Compressor Discs)
- (1) Brown & Sharpe Global 7107 DCC CMM
- (2) Universal Robot UR5e Robotic Arm
- (1) Bruker S1 Titan 600 Spectrometer (for raw material evaluation / identification)
- (1) Mitutoyo PH14A Optical Comparator w/ QM Data 200 DRO
- (1) Z-tech Q-30 Laser Engraving System (30 Watt)
- (1) Flexmark Combo 120 Dot Peen / Scribe Marking Machine
- (1) Amada HA250W Automatic Bandsaw
- (1) Sunnen Hone
- (4) Sweco 1.8 cu/ft vibratory bowl tumbler