



# New Jersey Precision Technologies, Inc.

*Improving lives through manufacturing innovation.*

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## FACILITIES LIST

### ELECTRICAL DISCHARGE MACHINING (EDM)

#### WIRE EDM



- (3) Mitsubishi MV4800-R 5-Axis Wire EDM; 31.50" x 23.60" x 20.10" machining range, extended tilt to 45 degrees, automatic wire threading, submerged arc, anti-electrolysis power supply
- (2) Mitsubishi FA20 5-Axis Wire EDM; 19.69" x 13.77" x 18.00" machining range, extended tilt to 45 degrees, automatic wire threading, submerged arc, anti-electrolysis power supply
- (2) Mitsubishi MV/BA24 5-axis Wire EDM; 23.6" x 15.7" x 12.2&16.7" machining range, automatic wire threader, submerged arc, anti-electrolysis power supply
- (10) Mitsubishi MV2400/FA20 5-axis Wire EDM; 19.69" x 13.77" x 11.85" machining range, automatic wire threading, submerged arc, anti-electrolysis power supply
- (15) Mitsubishi MV1200/FA10 5-axis Wire EDM; 13.77" x 9.80" x 8.66" machining range, automatic wire threading, submerged arc, anti-electrolysis power supply

#### SINKER EDM

- (6) Mitsubishi EA8 & SV12P CNC sinker EDM with 3R tooling systems

#### SMALL HOLE EDM

- (3) Mitsubishi/Novotec 4700 SD-1014 CNC hole popper

### MACHINING AND FINISHING

#### CNC MILLING

- (11) HAAS VF-2 / SS Vertical Machining Center; 30" x 16" x 20" machining range, 20/24 position tool changer, Renishaw infrared probe
- (1) HAAS VF-3 Vertical Machining Center; 40" x 20" x 25" machining range, 20/24 position tool changer, pallet system, Renishaw probe
- (2) HAAS Minimill Vertical Machining Center; 16" x 12" x 10" machining range, 10 position tool changer, Renishaw probe

## MANUAL MILLING

- (3) Bridgeport vertical mill with DRO and power feed

## GRINDING

- (2) CNC OKAMOTO 12" x 24" automatic surface grinder with fully programmable dressing, roughing, finishing and spark out cycles
- (5) South Bend 6-18 precision surface grinder with central dust collection systems

## TURNING

- (2) HAAS SL-30 / ST-30 CNC Turning Center
- (1) HAAS ST-15 CNC Turning Center
- (1) HAAS SL-10 CNC Turning Center
- (1) HAAS ST-30Y CNC Turning Center with live tools
- Engine lathes: 17" swing x 60" bed with turret and grinding capabilities

## DRILLING

- (8) Drill presses with adjustable spindle, table; multi-spindle

## SAWS

- (2) DoAll Vertical and CNC Horizontal band saws

## FINISHING

- Timesavers automatic finisher, belt and disc sanders, honing machine, Gesswein Ultrasonic polishing equipment
- (3) 48" bead blast cabinets, vibratory tumblers, ultrasonic cleaner

## POWER PRESSES

- (1) AMADA SPH30 hydraulic CNC two-axis programmable brake and triple track turret, bench top power presses up to five tons, and prototype presses

## LASER ENGRAVING

- (1) TYKMA Zetalase Fiber Laser Marking System with 18" x 24" x 8.75" work area

# INSPECTION AND ENGINEERING

## INSPECTION



- (2) Zeiss CMM 1000mm Contura with RDS, Vast XT and Calypso software
- (3) Brown & Sharpe Reverse Engineering-Digitizing CMM with CMM Manager software
- (2) OGP Flash 3D Multi-sensor vision system
- (1) Nikon Optical Multi-sensor Vision Inspection System
- (1) 75 power Sony Color Vision System
- (1) Keyence XM CMM
- (1) Optical comparators, digital camera bore scope, Mitutoyo digital height gages, gage blocks, plug gages, digital calipers/micrometers, hardness tester, digital profilometer, Niton XRF Analyzer

## ENGINEERING

- CAD/3-D modeling software; advanced EDM programming software
- CNC programming software for five-axis machine tools
- NJPT accepts all CAD and 3-D model file formats

# CERTIFICATIONS

- ISO 9001 – Quality Management System
- ISO 13485 – Quality Management System – Medical Devices
- To view and download our certificates, visit us online at [www.njpt.com](http://www.njpt.com).