

# NATIONAL TECHNOLOGIES, INC.

## PRECISION MACHINING SOLUTIONS



*National Technologies has been providing machined components and assemblies since 1959. We've grown steadily over the years by offering **high quality parts, on time, at a fair price.** Industry leading **quality, engineering, and customer service** teams are at your service to ensure 100% satisfaction.*

### OUR QUALITY AND SERVICE IS YOUR COMPETITIVE ADVANTAGE

#### QUALITY:

- ◆ **Parts to print - guaranteed.**
- ◆ ISO 9001:2015
- ◆ PPAP's level I-V
- ◆ 4 CMM's
- ◆ Micro Vue Vision Inspection equipment
- ◆ Lean Manufacturing
- ◆ Six-Sigma deployed
- ◆ Zero defect culture
- ◆ Extensive gaging and inspection equipment

#### SERVICES:

- ◆ **Always available.** When you contact us, a knowledgeable person will promptly provide answers.
- ◆ **One stop shop.** Value Added Service Management to provide a complete & finished part.
- ◆ Inventory Management.
- ◆ ERP system provides supply chain efficiencies.
  - ◇ Real-time production tracking
  - ◇ EDI
  - ◇ MRP
  - ◇ Blanket Orders / Kanban / JIT
- ◆ Expedited production / delivery



PURPOSE BUILT, 120,000 SQ/FT CLIMATE CONTROLLED FACILITY

#### A VARIETY OF CUSTOM PRECISION MACHINED PARTS AT A FAIR PRICE, MADE TO PRINT AND DELIVERED ON TIME.

Spacers	Plugs	Rods	Housings	Seats
Dowels	Retainers	Couplers	Stems	Buttons
Shafts	Adapters	Valves	Poppets	Stops
Bosses	Pistons	Nuts & Caps	Studs	Plates
Sleeves	Bushings	Manifolds	Washers	Inserts
Pins	Plungers	Thermowells	Spools	Bodies
Screws	Flanges	Connectors	Blocks	Rings

#### SERVICING A WIDE RANGE OF INDUSTRIES, INCLUDING:

Aerospace	Medical	Food Service
Fuel Systems	Pneumatic	Engine
Building	Turbine	Natural Gas
Plumbing	Heavy Equipment	Power Generation
Construction	Electrical	Exercise
Energy	Automotive	Electronics



# A WIDE RANGE OF EQUIPMENT & SERVICES PROVIDE COST EFFECTIVE MANUFACTURING SOLUTIONS

## CONVENTIONAL MACHINING

- ♦ 32 New Britain and ACME Multi Spindle Screw Machines - 1/4" to 2-1/4" Bar Capacity
- ♦ 21 Brown & Sharpe Ultramatics Single Spindle Screw Machines - 1/16" to 2" Bar Capacity
- ♦ In-House Tool/Fixture Design Manufacturing
- ♦ Extensive Secondary Equipment for Finishing

## QUALITY CONTROL EQUIPMENT

- ♦ Hexagon Global Scanning CNC CMM
- ♦ Sheffield Discovery CNC CMM
- ♦ Visual Fair PPAP Software
- ♦ Oasis Optical Inspection System
- ♦ ScienceScope Millipore Testing System
- ♦ Ramco Ultrasonic Parts Washer
- ♦ Micro Vue Excel Automated Vision System
  - ♦ Hexagon Romer Absolute Arm

## NATIONAL TECHNOLOGIES, INC.

### CNC MACHINING

- ♦ 2 DMG MORI Multitasking Lathe with Y Axis, 3" Bar Capacity
- ♦ 48 Haas and Hardinge CNC Turning Centers
- ♦ 3 Hanwha CNC Swiss Lathe, 1-1/2" Bar Capacity
- ♦ 24 Haas CNC Vertical Machining Centers including three 5 axis CNC Milling
- ♦ 1 Brother CNC Mill with Rotary Pallet Changer
- ♦ 1 Takamaz Auto Loading CNC Lathe
- ♦ 1 Universal Robot UR 10 for unattended machining
- ♦ From low / prototype to high / production volumes
- ♦ Cellular Manufacturing for increased efficiency
- ♦ Hard Turning
- ♦ Turning: Up to 5" Bar Capacity & 15" Chucking
- ♦ Milling: Max Length: 48", Bed Travel: 30" x 16" Height: 20"
- ♦ GibbsCAM CAD/CAM and Solidworks

## VALUE ADDED SERVICES

- |  |  |   |   |
|--|--|---|---|
| ♦ Assembly                                   | ♦ Custom Packaging & Labeling  | ♦ Heat Treating: Neutral (direct), Vacuum, Induction, Flame, Carbonitriding, Ferritic, Nitrocarburizing, Nitriding, Precipitation, Stress Relieving | ♦ Plating: Hard Chrome, Tin, Nickel, Zinc, Phosphates, Black Oxide, Anodizing, Passivating, Copper, Gold, Silver, RoHS Compliance |
| ♦ Balancing                                  | ♦ EDM, Laser Cutting, Waterjet Cutting   | ♦ Marking, Engraving, Laser Marking, Serializing  | ♦ Sand Blasting, Superfinishing, Vibratory, Thermo-Deburring  |
| ♦ Bending                                    | ♦ Grinding: Surface, Cylindrical, Internal, Centerless, Form, Lapping, Superfinishing, Polishing | ♦ Non-Destructive Testing, Independent Lab Verification for Chemistry and Mechanical Properties   | ♦ Thread Rolling, Tapping, Thread Grinding, Thread Milling  |
| ♦ Boring, Drilling, Reaming, Gun Drilling    |  |   | ♦ Welding, Inertia Welding, Robotic, Brazing  |
| ♦ Broaching, Gear Hobbing, Splining, Keyways |  |   | ♦ Painting: Wet, Powder, E-Coat   |