## Process Tube Systems, Inc.





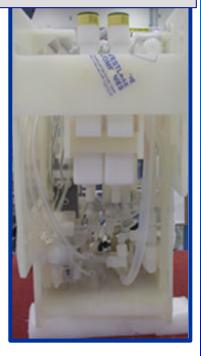


# **CONTRACT MANUFACTURING**



#### PTS Product Overview Capabilities Confidential Material



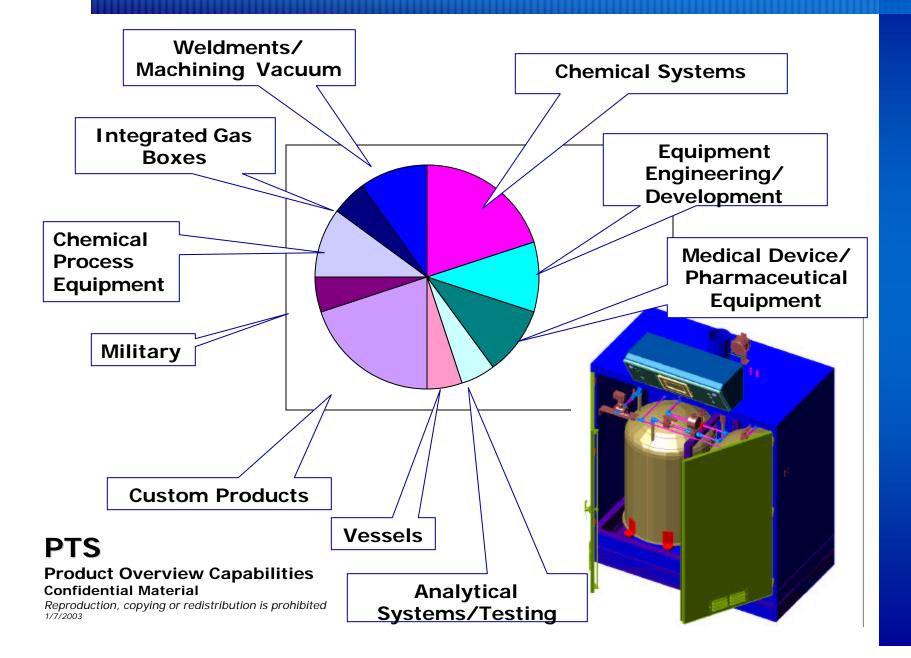


### **OEM Equipment Fabrication Across the Chemical Lifecycle**

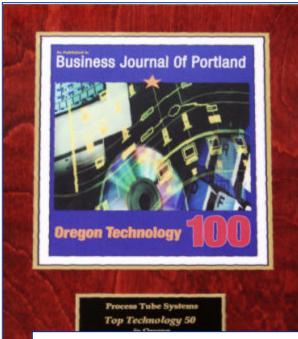


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### **PTS Business Breakdown**



# Profile



Our clients come to us because we excel in specific areas of expertise: **FLUID SYSTEMS**.

Our customers receive the benefits of high quality systems, minimized fixed costs, lower inventories, and lower absorbed costs.

# PTS

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- 16 Years in Business
- 21,000 sq.ft. Manufacturing
- Two Locations: California, Oregon
- Largest Customers:

#### • BOC Edwards, World's Largest Microprocessor, ASML

 Contaminate Free Environment – Class 1 or Better

- Highly Trained Workforce
- Stand-alone Quality Program
- MRP
- Material Traveler For Complete Job Tracking
- Lean Manufacturing Process

## **Chemical & Equipment Engineering**





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Design Standards Semi S2 Standards ASME B31.3 U.L. 508 Electrical Shop NFPA, UFC, UMC Military GMP

Software Platforms Pro-E 2000 i<sup>2</sup> AutoCAD – 2000 3-D Visual Basic PLC Programs Inventor

Engineering Process

Peer-based Design Review Signoff

ISO 9000 Compliant Processes

Valve Engineering





### **Plastic Fabrication, Assemblies & Design**



#### CHEMICAL INJECTION SYSTEMS, VAPORIZERS, AND TURNKEY MODULES



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### U.L. 508 Electrical Assembly



SEMI S2 ♦ CE MARKING ♦ TRACER GAS TESTING







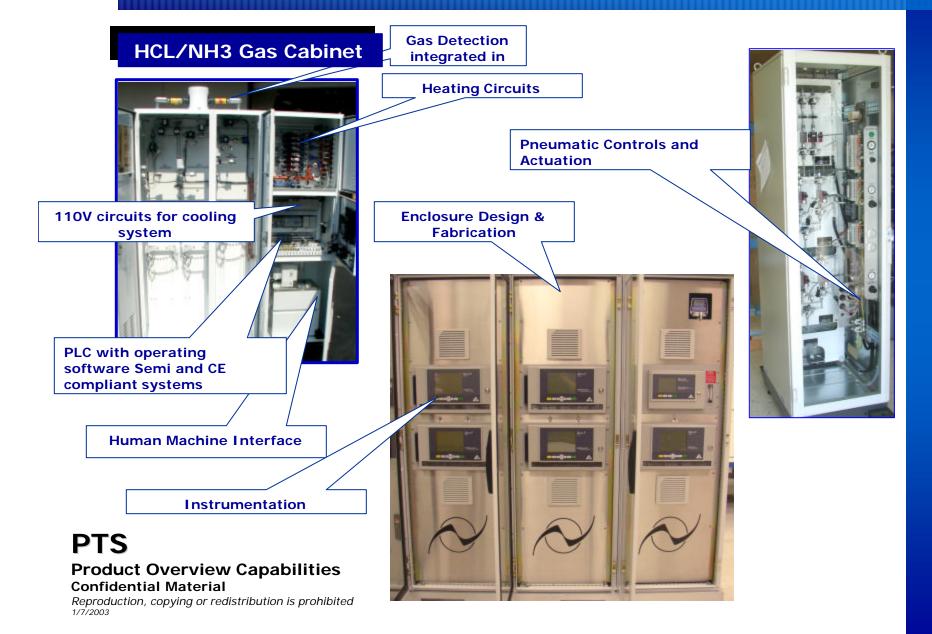
#### EXPLOSION PROOF ♦ NEMA 4

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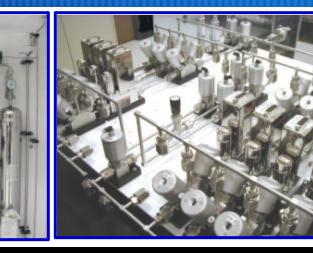


### **Electrical-Mechanical Integration**

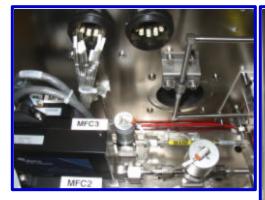


### Mechanical Fabrication





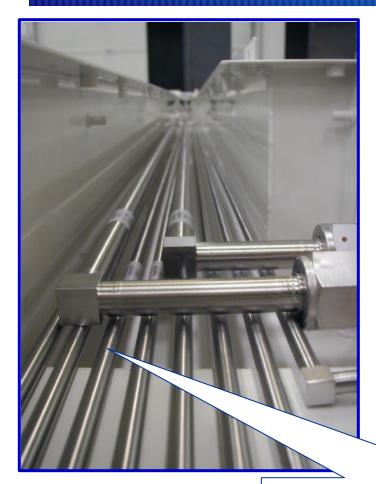
SHEET METAL ♦ PNEUMATICS ♦ PROCESS PIPING



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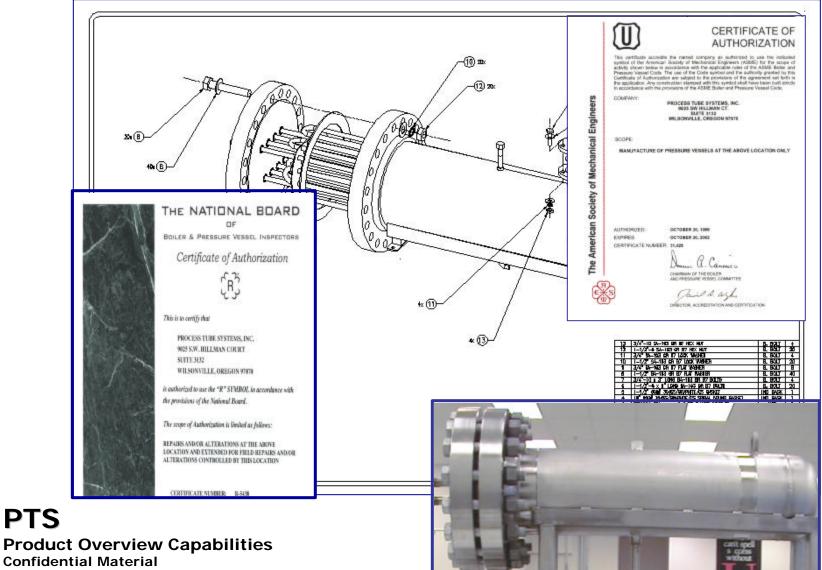
### **OEM Manufacturing Services**

- •Manual & Semi Automatic TIG Welding
- •MIG & Orbital Welding
- Plastic Fabrication
- •Clean room Assembly
- •Vacuum Leak Detection
- •Manual Milling/Turning
- •Tube Bending
- •Electronic Assembly
- •Equipment Design: Concept to Production
- •Reverse Engineering
- •Third Party Quality Testing
- •Outsourcing Management

Our teams work with **YOU** to develop a roadmap together to find improvements such as price reductions, material stocking, equipment design.

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### A.S.M.E. Pressure Vessel Fabrication & Design



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**PTS** 

## **Analytical Business Group**



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## World Wide Shipping & Packaging



#### 16 year's experience shipping around the world



#### **UHP Practices & Protocols**



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Every part, subassembly or system PTS ships is tested. Testing ranges from helium leak testing, moisture content, and particle counts to full software checkout