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American Specialty Products is a unique technical partnership with a diversity of experience in the Photonics, Fluid Handling, Aerospace and Semi-Conductor Industries.

American Specialty Products offers a wide array of high quality, cost effective, engineering and fabrication services designed to satisfy today's competitive R & D and manufacturing environment.

American Specialty Products current customer list spans a variety of organizations including divisions of JDS Uniphase, 3M, Corning, OFS Fitel, Coherent and Agilent Technologies

MANUFACTURING AND ENGINEERING CAPABILITIES

➤ MACHINING AND FABRICATION

- ◆ Complete Machining Capabilities including: CNC Milling and Turning
- ◆ Sheetmetal Fabrication
- ◆ Precision Fixtures and Tooling
- ◆ Precision Tube Bending and Sub-Assembly Fabrication
- ◆ Hydraulic, Pneumatic and Electro-Mechanical Assembly and Installation.

➤ ENGINEERING

- ◆ High Purity, High Pressure and Vacuum System Design and Consulting Services
- ◆ Hydraulic, Pneumatic, Electrical and Mechanical System Design Including: Automated Systems, Motion, Automated Assembly and Machine Tools.
- ◆ Precision Fixture and Equipment Design
- ◆ Fiber Handling, Positioning and Tensioning Equipment Design
- ◆ Fluid Handling Systems and Component Design
- ◆ Manufacturing and Engineering Consulting Including: Lean Manufacturing , Kaizan and Cost Reduction Initiatives

➤ CUSTOM WELDING AND BRAZING

- ◆ Tig Welding
- ◆ Computer Controlled Automatic Orbital Welding
- ◆ Weld Lathe to 14 inch diameter
- ◆ Precision and High Purity Weldments
- ◆ Brazing, Silver and Soft Soldering

➤ CLEAN ROOM SERVICES

- ◆ Class 1000 Clean Room
- ◆ Helium Mass Spectrometer Leak Checking to 2.0×10^{-9} std cc/ sec
- ◆ High Purity, Vacuum Component and System Assembly
- ◆ On-Site Clean Room Component and System Installation

➤ CADD PLATFORMS

- ◆ Solid Modeling and Design utilizing Solidworks, Pro Engineer and Cadkey