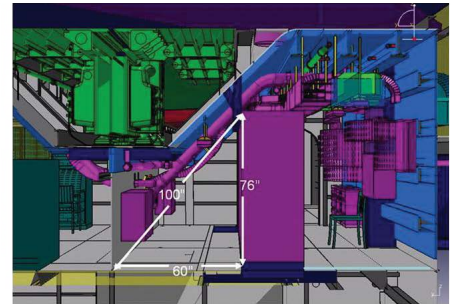


Related Manufacturing, Engineering, 3D Modeling and Design Support

Core Capabilities

- Manufacturing Services
- Engineered Services
- 3D Modeling
- Technical Drawings
- ISO Certification



Manufacturing Services

- Build to Print
- Contract manufacturing
- 3D printing (Additive manufacturing)
- Bed Size: 1m (39.37") x 1m (39.37") x 0.5m (19.68")
- Min Layer Height: 70 μ m (.0027")
- Available Materials: PLA, ABS, XT CF-20 (Carbon Fiber blend), Ninja Flex, PETG, Specialty Filaments upon request

Engineering Services

- Finite Element Analysis (FEA)
- Computational Fluid Dynamics (CFD)
- Thermal Analysis
- Integrated System Design (Electrical and Mechanical design from prototype to final product)
 - Validation and verification
 - Critical and final design review
- Programming (LabVIEW, microcontrollers)
- Rapid Prototyping
- Engineering test plans
 - Mechanical and electrical test plans
 - Design and development of test fixtures and systems

Contact

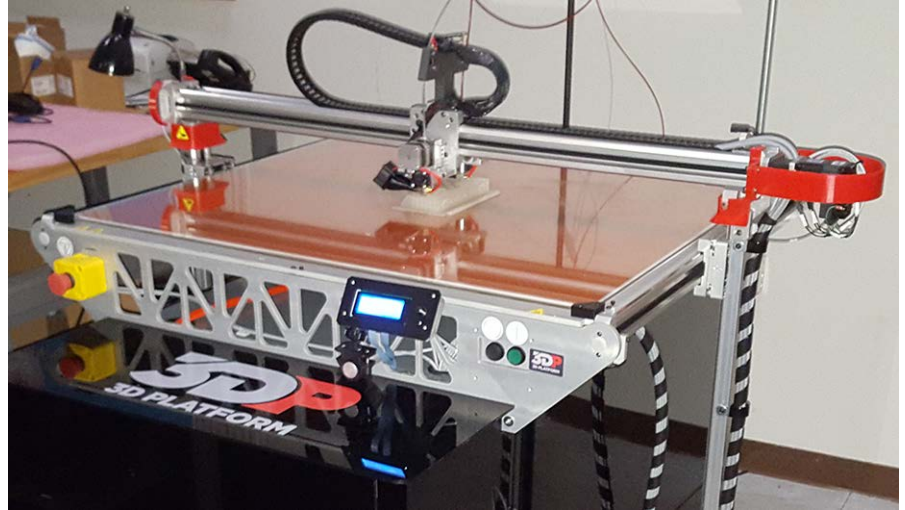
Brian Gallatin

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3D Modeling

Electrical, Mechanical, Hydraulic and Pneumatic Systems

- SOLIDWORKS models for concept, prototyping, detailed design and manufacturing

Technical Drawings

IAW ANSI Y14, NAVSEA, and NAVAIR Formats

- Conceptual level
- Developmental level
- Production level
- Electrical schematics and wiring diagrams

ISO Certification

- ISO 9001:2015 Certified Quality Management System