

MANUFACTURING & FABRICATION



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**ISO
9001:2008
Registered**

THE COLUMBIA GROUP
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Our **Marine Engineering Division** facilities in Panama City Beach, Florida include a state-of-the-art machine and welding shop, a modern composites shop, a large fabrication and assembly shop, and a well-equipped electronics shop. We have extensive experience in rapid prototyping and custom fabrication, as well as limited production run manufacturing. We can provide a wide range of services from building individual components to providing complete systems and vehicles. Our quality system is ISO 9001:2000 registered.

MACHINING

- ▶ 3-Axis Vertical CNC Machining
- ▶ CNC Lathe Machining
- ▶ Waterjet Cutting

WELDING

- ▶ MIG and TIG Welding
- ▶ Sheet and Plate Fabrication
- ▶ Materials
 - ▶ Carbon Steel
 - ▶ Stainless Steel
 - ▶ Aluminium
 - ▶ Monel

COMPOSITES

- ▶ Mold Design and Fabrication
- ▶ Vacuum Bagging
- ▶ Resin Infusion
- ▶ Carbon Fiber, E-Glass, S-Glass
- ▶ Ceramics
- ▶ Sandblasting and Painting

SYSTEM INTEGRATION AND ASSEMBLY

- ▶ Undersea Vehicles
- ▶ Vehicle Launch and Recovery
- ▶ Vehicle Maintenance and Support Equipment
- ▶ Functional Testing



CNC Vertical Machining Station



Waterjet Cutting Station



Welding and Inspection



Paint Booth/Walk-In Oven



SDV Afterbody