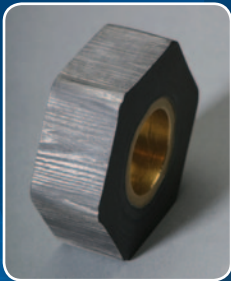
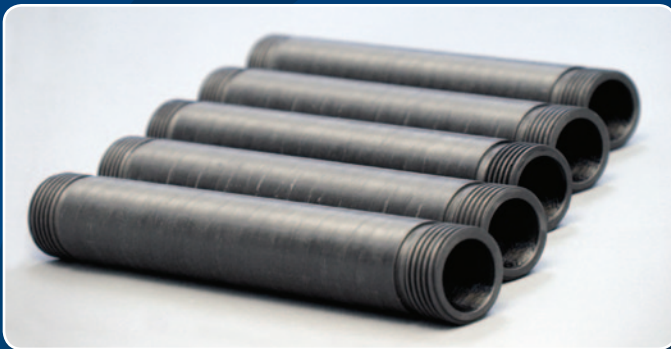


# Drillable Composites

MAINTAINING LOW COSTS THROUGH SELECTIVE  
REINFORCEMENT OF HIGH-PERFORMANCE MATERIALS



# Empowering the world to conceptualize, manufacture and implement advanced composite solutions.



For over 30 years, Automated Dynamics has been a global leader in automated composite production. We specialize in the manufacturing of high-performance composite structures, development of advanced automation equipment, and solution-based engineering services.

Through the use of a true out-of-autoclave (OoA) process, we bring additive manufacturing to continuous-fiber thermoplastic composite parts; saving weight and improving reliability in today's most demanding engineering environments. We offer patented Automated Fiber Placement (AFP) technologies, and, as recognized innovators, we have produced hundreds of thousands of composite parts for over 500 clients in 17 countries.

## DRILLABLE COMPOSITE SOLUTIONS FOR THE OIL & GAS INDUSTRIES

- Automated Dynamics offers high-performing, drillable composite components for **bridge plugs at prices the market demands.**
- Economies of scale are achieved through repeatable automation, allowing us to **manufacture thousands of parts per month** with minimal setup costs.
- Repeatability and reliability of our **automated fiber-placement process** ensures peace of mind in your design.

- We manufacture drillable composite components for bridge/frack plugs and packers. **Material systems range from continuous fiber to short fiber and from commodity polymers to engineering-grade polymers for HPHT conditions.** The manufacturing methods vary based on the desired materials.



**OF THE THOUSANDS OF BRIDGE PLUG COMPONENTS DELIVERED, WE'VE NEVER HAD A FIELD FAILURE.**

- **Our selective reinforcement places high-performance material only where it's needed,** allowing the majority of the volume to be comprised of low-cost material. We often work with a third-party bridge plug manufacturer to utilize their low-cost material for the bulk of a part's wall thickness. Our materials are then used for structural enhancement and sealing requirements.
- Our portfolio of composite components **includes anti-extrusion garter springs** to be molded into packing elements, mandrels, lock rings, pins, collars, and more.
- **Our continuous carbon fiber PEEK construction will only absorb 0.2% of moisture,** as opposed to thermoset materials which display absorption rates 10x higher over a matter of hours in wet conditions.

Call us for immediate assistance -OR- visit our website for more details and technical information!

**AUTOMATED DYNAMICS**®   
Performance in Composites

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