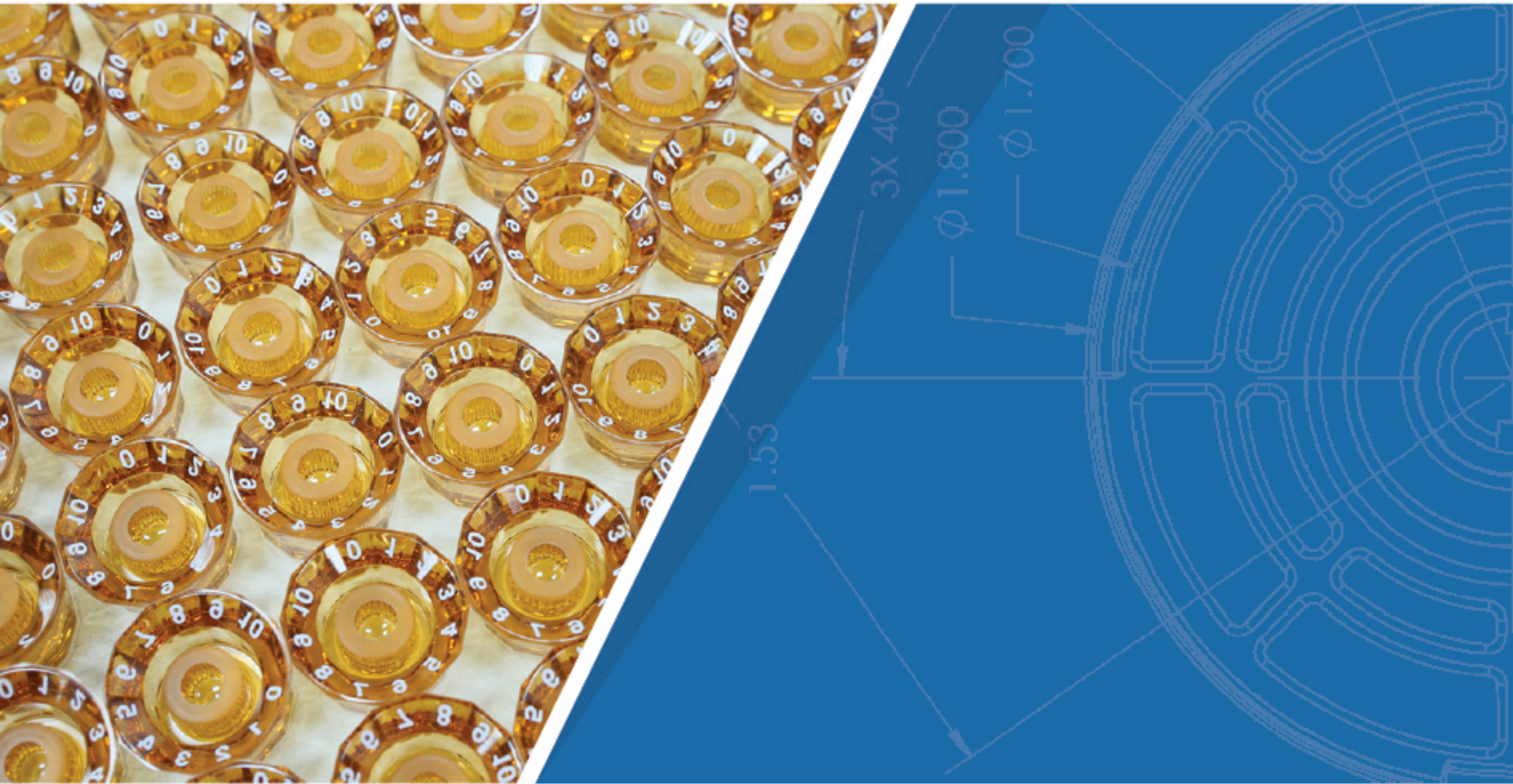


ADVANCED PLASTICS · CBRN DEFENSE SYSTEMS



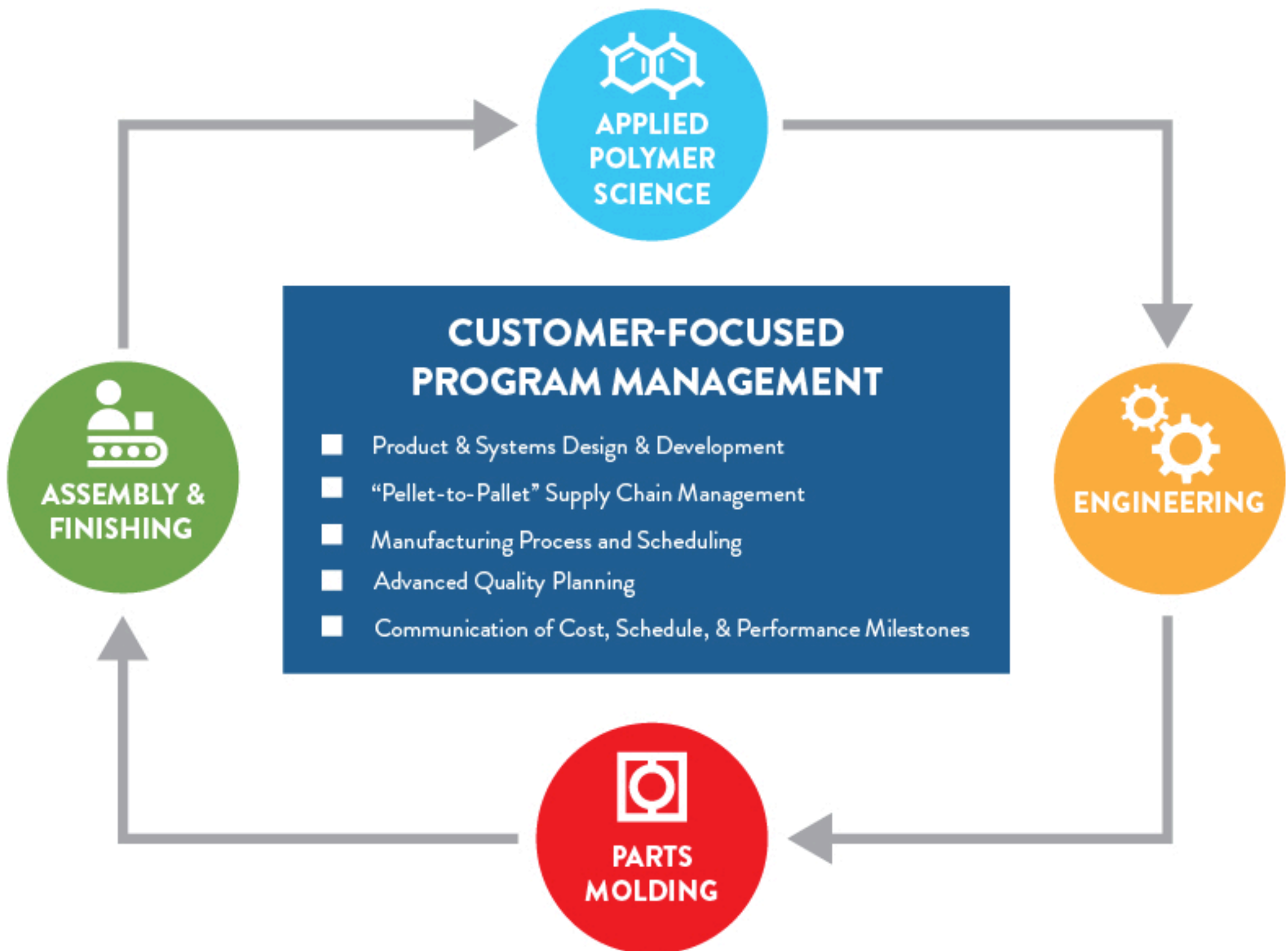
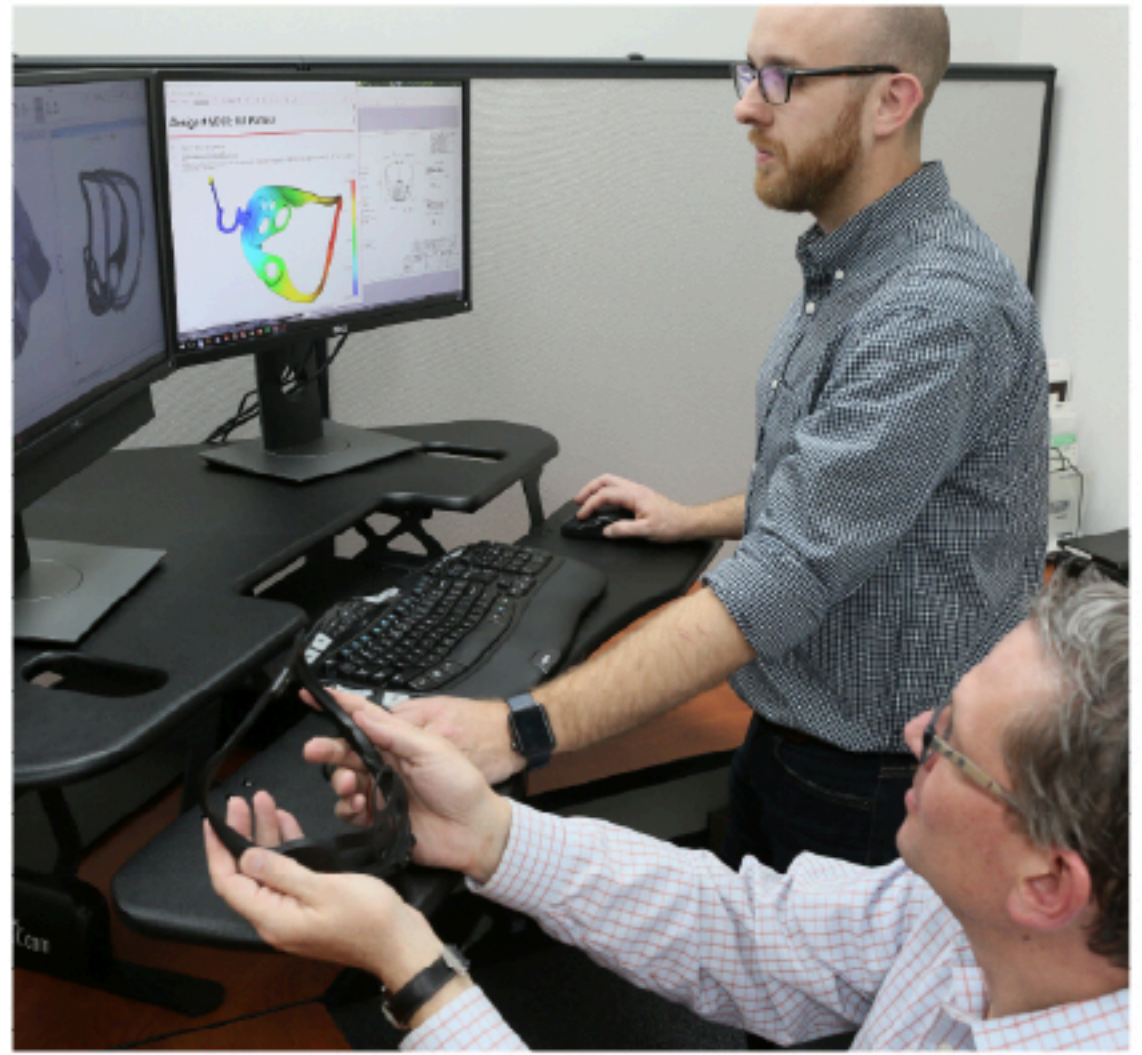


From mission critical breathing apparatus and medical device assemblies to life science and aerospace products, DWE has over 20 years of experience molding shared success with our clients. Whether you need to improve an existing product or bring a new product from concept to production, you can rely on DWE's dedicated team and full-service capabilities to deliver an integrated solution.

$\phi .065 \times .020$ HIGH
DOME

TURNKEY CAPABILITIES

Our multidisciplinary, turnkey approach means we look beyond the obvious to understand things like functionality, end use, and subsequent production steps to design and produce the optimal solution for you and your customers. Frequent communication means no surprises – DWE program managers make sure you always know project and production status, and ensure on-time delivery.





APPLIED POLYMER SCIENCE

- Producibility Analysis/DFMA
- Durability/Wear Analysis
- Component Design Best Practices
- Material Certifications
- Material Selection & Compatibility
- CBRN Protective Resins



ENGINEERING

- Multidisciplinary Expertise – electrical, mechanical, plastics
- Senior Level Engineers - over 20 years average experience
- Rapid Prototyping & 3D Printing
- Passive Electrical and Electro-Mechanical Product Design
- Core Knowledge in Respirator and Air Delivery Systems
- Design Verification & Validation Testing
- Failure Modes Analysis
- Established and Growing Patent Portfolio
- Mold Design & Build



PARTS MOLDING

- 33 Injection Molding Machines - 20 to 400-ton for tight-tolerance parts
- Climate Controlled, Clean Room Capable
- Wide Array Engineering Resins
- Overmolding
- Decorative Molding
- Sealed Insert Molding
- Foam Molding
- Polyurethane & Silicone Casting



ASSEMBLY & FINISHING

- Complex Product Builds
- In-house Electronics Capabilities – PCB's, wiring harnesses and soldering
- Functional Flow & Leak Testing
- Post-Machining
- Decorating, Painting and Marking
- Ultrasonic Welding
- Adhesive Bonding

CLIENTS

Product designers, manufacturing engineers, and general managers in diverse industries rely on DWE to solve their most challenging problems. Our long history in the medical and defense industries led the way for expansion into life sciences, aerospace, and an array of commercial clients needing advanced plastics solutions. We are proud to count among our clients:

- Avon Protection
- Becton Dickinson
- The US Department of Defense
- GE Healthcare
- Textron Aviation
- PRS Guitars
- Avox
- SOCOM
- Dräger



QUALIFICATIONS

Our successful track record meeting client's needs for life-critical, high-precision parts in highly regulated industries is a testament to our ability to manufacture to the highest quality standards. Our certifications include:

- ISO 9001 certified
- NIOSH certified manufacturing site
- AS 9100 Aerospace compliant QMS
- FDA compliance, documentation and traceability processes
- IPC J-STD-001 Certification for soldered electronic assemblies
- DCAA certified
- JCP registered
- ITAR registered

WHO WE ARE

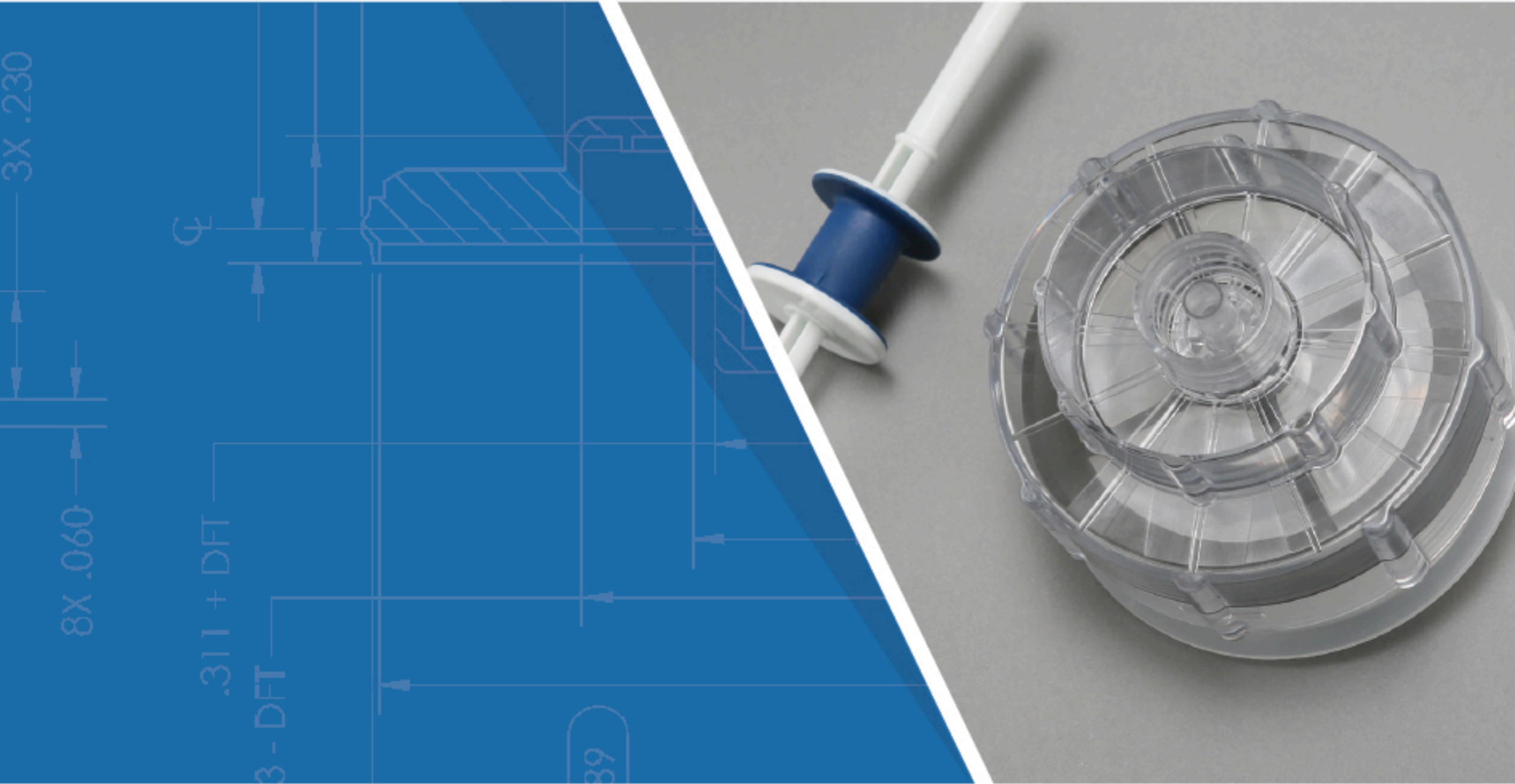
DWE's founder and owner is an engineer who was drawn to precision injection molding early in his career in the medical device industry. He likes solving challenging problems and helping clients be successful. Today, through organic growth and strategic acquisitions, DWE has nearly 100 employees who also like a challenge and are committed to developing and producing quality solutions.

DWE has "big company" capabilities and resources, but clients find we're approachable, trustworthy, collaborative, and team oriented. The result is long-lasting relationships with clients who appreciate the way we collaborate with them, truly working as an extension of their team, molding shared success.

In our 45,000 ft² facility in Belcamp, Maryland we make a variety of products ranging from miniature components to 400 ft. long wiring harness assemblies. We provide contract or custom engineered products and take on projects our competition usually won't – complex parts with integrated electronics, limited production runs, complicated secondary finishing, and multi-component assemblies are the kinds of projects we thrive on.



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