

DRUG DELIVERY DEVICE SOLUTIONS

WHO WE ARE

Americhem healthcare is the preferred global specialty thermoplastics compounder for medical device development. By combining our 30 years of experience engineering plastic for medical applications with our technical capabilities and vast resources, we are uniquely positioned to develop, produce, and deliver world-class solutions for the drug delivery market.

Our unbiased material selection and trusted guidance will support your product development journey every step of the way. With a globally dedicated healthcare division, we are your trusted partner and total solutions provider.

WHY CHOOSE US

Our experts will analyze the application, component materials and deliver samples and color matching to support prototyping and the first article process. Further, our offerings are broad enough to support the entire system and its components. Our experience includes a practical approach to ensure you achieve real-world moldability and quality requirements.

DESIGN CRITERIA SUPPORT

- **Color and Aesthetics** – color is essential both for patient safety and product branding. Americhem Healthcare has decades of experience as a global leader in color compounds and masterbatch. Our **ColorRx**® is the ideal solution for this requirement.
- **Wear and Friction** – our internally lubricated compounds and alloys are specially designed to help manufacturers reduce the wear and friction of moving plastic parts, reduce noise during use, and decrease the coefficient of friction. Our **InLube**® is the ideal solution for this requirement.
- **Strength** – our specialty compounding expertise lines up with your need to deliver a product or component that needs to be strong but not brittle and even survive physical stress. Our **InStuc**® is the ideal solution for this requirement.
- **Antimicrobial** - whether in the form of masterbatches or compounds, we can enhance your product's protection against bacteria, fungus, algae, and more. Our **nShield**® is the ideal solution for this requirement.
- **Antistatic** – our electrically active products compounds use conductive technologies including additives, fillers, and fibers to impart various levels of conductivity to inherently insulative base resins. Our **InElec**® is the ideal solution for this requirement.
- **Ergonomics** – whether the drug delivery device is single or multi-use, we can help with human factors to facilitate ease of use and reduce user fatigue.
- **Chemical Resistance** – whether it's standing up to cleaning, disinfectant, sterilization, or the drugs themselves, we will help you design with the proper materials to ensure efficacy and performance optimization.
- **Biocompatibility** – we will guide the material and additive selection process with biocompatibility in mind.

BASE POLYMERS

ABS, COC, LCP, PBT, PCABS, PC, PEI, PPE, PPS, PE, PP, PSU, PPSU, POM, PAEK, PEEK, PPA, PA, TPE, TPU, TPV

MARKETS AND APPLICATIONS



APPLICATIONS AND EXPERTISE

APPLICATIONS

- There are several different types of drug delivery device depending on the patient's condition and prescribed route of administration. It is safe to say Americhem Healthcare can support your development no matter what the challenge or end product is.

WHY AMERICHEM HEALTHCARE?

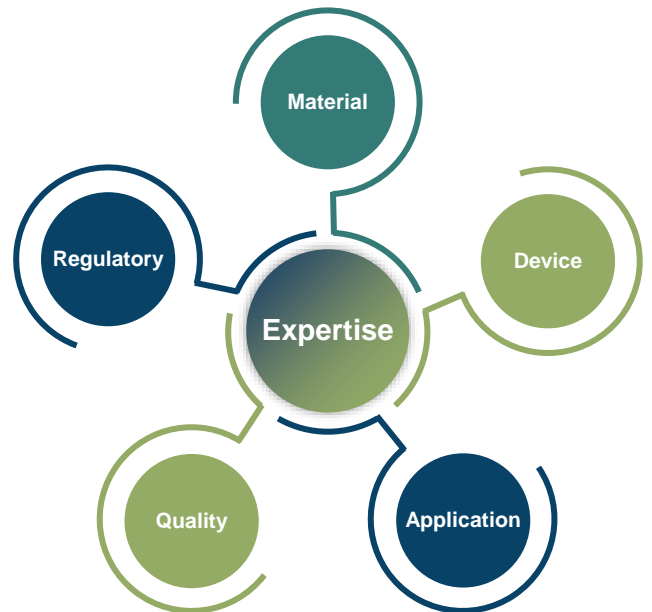
- By offering a world-class consultative approach, technical problem solving and sampling support, we are committed to your drug delivery product development success. We will stay involved from concept to first article to molding and production with your CTQ's and positive patient outcomes in mind.

SPECIFIC BENEFITS

- Creative solutions for complex device designs
- Risk mitigation, fully documented ISO 10993 Biocompatibility resins and additives
- Extensive resin and additive library for both simple and fully engineered compounds
- Low MOQs to support prototype through production
- Customer focused to support positive patient outcomes
- Formulation Control & Change Management procedures to give piece of mind
- Globally connected plants with easily transferable formulations
- Develop multi-function single compounds to reduce the number of material SKUs
- Color experts in tune with color trends

Beyond clean manufacturing and unbiased material guidance, Americhem Healthcare adheres to multiple industry standards. Our material compounding experts are eager to share our knowledge and advise on a customized solution that best suits your processing and end-use requirements. Connect with one of our team members today.

Medical Industry Standards



Ribe, Denmark • Morrisville, PA, USA • Swedesboro, NJ, USA • Suzhou, China Tel: +1 215 736 1126

Website: <https://www.americhem.com/pages/healthcare>

Product Browser:

<https://catalog.ulprospector.com/ProductBrowser.aspx?l=2501>

Medical Device Policy: <https://www.americhem.com/pages/legal>

