



# Global Leader in Custom Medical Plastics Compounding

## Medical Compounds

- Radiopaque
  - \* Barium Sulfate
  - \* Bismuth Subcarbonate
  - \* Bismuth Oxchloride
  - \* Tungsten
  - \* Boost RO
- Reinforced/Filled
- Pre-colored
- Fluoropolymers
- Antimicrobial
- Antithrombotic
- Lubricious
- Implantable
- Nano-composites
- MRI Opaque
- Custom Elastomers

Compounding Solutions is the leading manufacturer of specialty medical compounds, color concentrates, and additive concentrates for use in Class I, II, & III medical devices. Each compound is a custom formulation that will adhere to the most current FDA requirements.



## Custom Concentrates

- FDA 21 CFR 73 Subpart D Compliant
- USP VI Resins
- Black & White
- Custom Color Matches
- Transparent
- Special Effects
- UV Stabilizers
- Heat Stabilizers
- Anti-oxidants



## Compounding Solutions' Resin Range

- Polyolefins: LLDPE, LDPE, HDPE, PP
- Styrenics: CPS, HIPS, SBC, SAN, ABS, FR ABS, ASA
- Polyacetals
- Polyesters: PET, PBT
- Polycarbonates
- Polyamides: 6, 6/6, 6/10, 11, 12, 6/12
- High Heat Resins: PEI, PSU, PES, PEEK, LCP
- Polyurethanes
- Fluoropolymers: FEP, EFEP, PVDF, ETFE
- Thermoplastic Elastomers: Rezilient Rx, Pebax, Hytrel
- Biodegradable/Bioabsorbable: PLA, PLLA, PGA, PHA

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# State of the Art Medical Compounding Center

## Facility Highlights

- 120,000 sq. ft. Facility
- 7,000 sq. ft., temperature, pressure, and humidity controlled White Room
- 4,000 sq. ft. QC & R&D lab
- 2,000 sq. ft. Pete Goguen Innovation Center
  - \* 27mm twin screw extruder
  - \* Injection Molding machine
  - \* Small volume resin drying
  - \* Vacuum oven

Compounding Solutions' modern facility in Lewiston, Maine was designed specifically to streamline compounding operations in a clean and controlled environment. All compounds, color concentrates, and additives are manufactured on state of the art twin screw co-rotating extruders.



R&D Center



QC/R&D Lab

Our sophisticated on-site laboratory and development equipment enables us to offer the opportunity for our customers to team up with our product engineers and material specialists to develop and manufacture your exact material. This "hands-on" approach allows our customers to make on-line modifications to the process and material characteristics, greatly decreasing development costs and time-to-market.

## Compounding Capabilities

- 11 Co-rotating Twin Screw Extruders
  - 7— 27mm
  - 2— 40mm
  - 2— 50mm
- Loss in weight feeding systems
- Individual batch blending
- Side feeding capability
- Strand & Underwater Pelletization
- Custom Process Design
- Custom Extrusion Screw Configuration
- Small & Large Volume Desiccant drying
- Moisture absorption minimization

## R&D Capabilities

- Vacuum & Desiccant drying
- Moisture analysis
- Injection Molding
- Dedicated Lab 18mm
  - \* Pharmaceutical Grade
- Color Measurement
- Capillary Rheometer
- Melt Flow Index
- Impact Testing
- Mechanical Testing
- Dispersion Analysis
- Material Identification
- Over-mold Analysis
- FTIR

**MOBILIZE**

