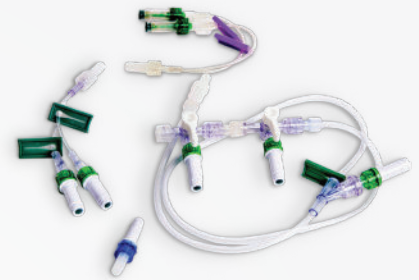


# FROM THERMOPLASTICS TO ELASTOMERS

## Injection Molding

### PRECISION MANUFACTURE OF PLASTIC COMPONENTS WITH INTRICATE GEOMETRIES

- Over 450 plastic processing machines
- Materials: PEEK, LCP, PPS, PEI, PS, PC, PP, HDPE, ABS, POM, PVC, TPE & more
- 6T - 1000T press sizes with high tolerance capability, 3-D Moldflow Analysis
- Insert molding, two-shot molding, micro-molding, hi-temp molding, in-mold decorating



## Thermoset Elastomer Molding

### PRECISION MANUFACTURE OF ELASTOMERIC MEDICAL COMPONENTS

- LSR injection, LIM, compression, and transfer molding
- Custom material formulating and mixing
- Rubber and Silicone expertise
- Pre-formulated, low viscosity, and class VI materials



## Implantable UHMWPE

### PRECISION MANUFACTURE OF PE ORTHOPEDIC IMPLANT COMPONENTS

- Direct compression molding of UHMWPE
- Extrusion of custom profiles, CNC machining capability
- Standard and vitamin E variants in both conventional and cross-linked forms



## Additional Molding & Polymer Capabilities

- **Blow Molding** of medical grade bottles and vessels - extrusion, injection, & injection stretch blow molding
- **Dip Molding** manufacture of both thin and thick walled components using a variety of plastic materials and durometers
- **Thermoforming** of medical packaging trays for sterile and non-sterile barrier packaging
- **Thermoplastic Extrusion** of medical grade polymer tubing
- **Post-Molding Operations:** Ultrasonic, RF, and laser welding, heat staking, hot stamping, pad and screen printing, UV and solvent bonding

