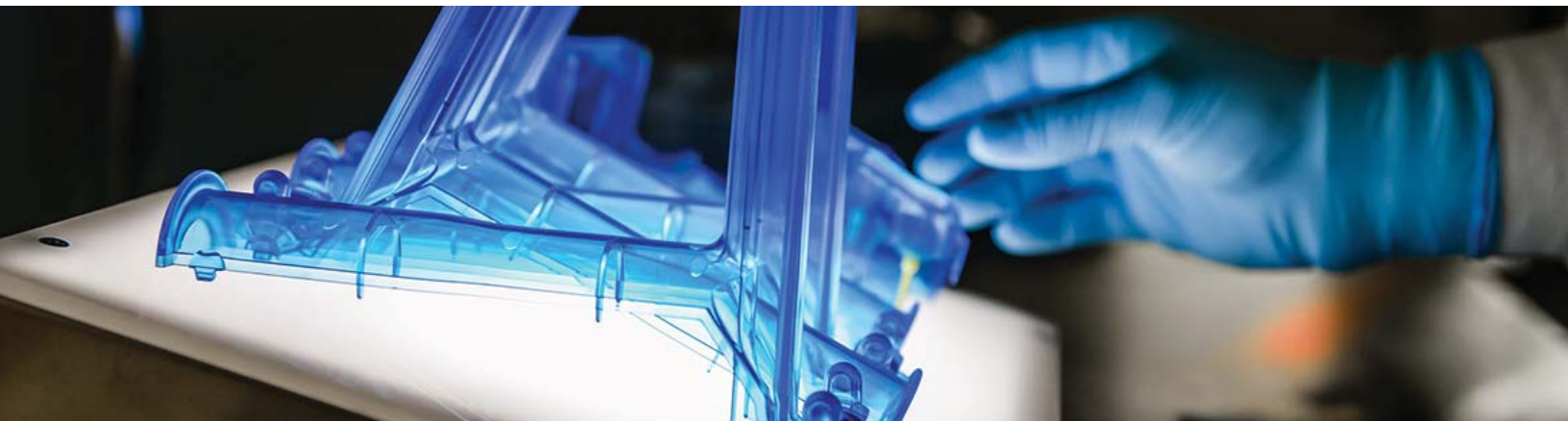


Medical Device Design, Molding and Assembly

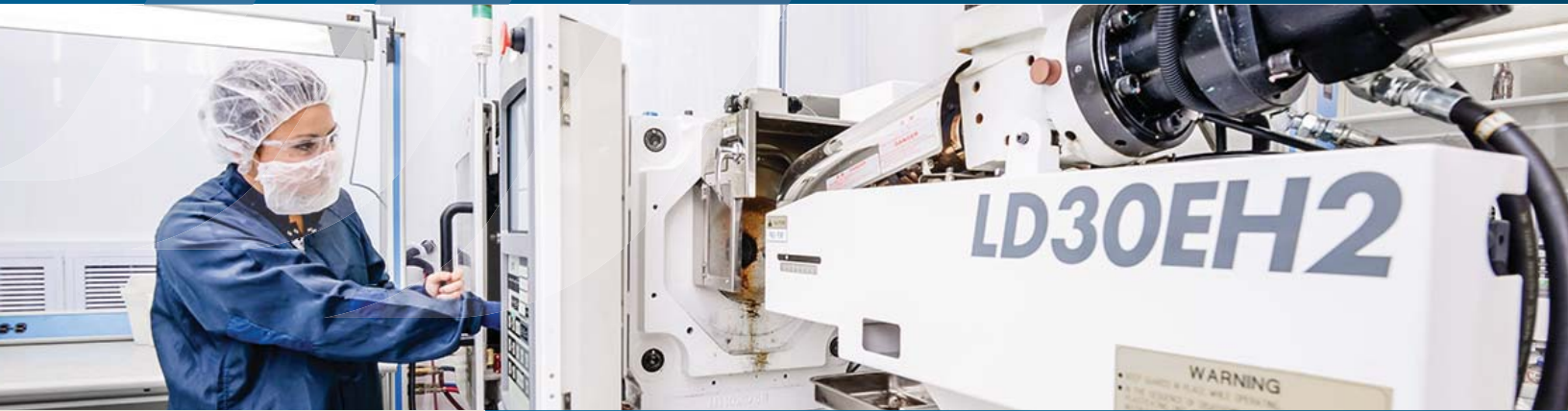


 ***JunoPacific***

 **CRETEX**
Medical

Premier Medical Device Design, Development, and Contract Manufacturing Company

Utilizing more than 58 years in the field of precision molding JunoPacific has built its reputation as a premier medical device contract manufacturer and supplier of custom components, sub-assemblies, and fully kitted devices. With facilities located in the Midwest and Silicon Valley, JunoPacific is close to the major medical device hubs in the US while serving the critical needs of medical device OEM's worldwide.



For technical solutions from start to finish, JunoPacific can be counted on for the technical expertise that you need:

- Expertise in multi-shot, micro-molding, reel to reel insert molding and manufacturing
- Design for Manufacturability and Assembly (DFMA)
- Rapid prototype through clinical trials and production
- Continuous improvement process for ongoing partnership

Markets and device solutions

Cardio/Neuro Stimulation

- Headers

Diagnostics

- IVD testing

Endoscopic surgical

- Biopsy

Orthopaedic

- Robotic surgery
- Disposable instruments
- Custom implant procedure kits
- Over-molded, slip resistant grips

Vascular

- Needle guidance
- Artificial heart components
- Thrombectomy devices



Ophthalmic

- Surgical guides and accessories

Hospital

- Enteral feeding
- Fluid management components

Hearing Health

- Micro-molding

Urology

Sports Medicine





Molding, assembly and packaging and more under one roof

State-of-the-art injection molding technologies

- Multi-shot
- Micro-molding
- Over molding
- Reel to reel insert molding

Rapid prototypes

- Short turn aluminum tooling
 - Intermediate shot capacities up to 10K units
 - Steel inserts can be added to further increase shot capacity
 - Full range of materials
- High quality
- Economical

Secondary processing

- Clean room assembly - ISO Class 7 (10,000) and ISO Class 8 (100,000) environments
- Mechanical assembly
- Epoxy/UV curing assembly
- Packaging
 - Pouch and blister tray sealing
 - Labeling and barcode
 - Shelf box
 - Sterilization (outsourced)
- Pad printing
- Hot stamping
- Heat staking
- Ultrasonic welding
- RFID tagging

Customer experience and design support

- Mold tooling design and build
- Mold flow analysis
- Verification and validation testing support
 - Tensile
 - Compression
 - Torque
 - Leak by pressure decay
 - Flow rate
- Design for Manufacturability and Assembly (DFMA)
- Process development and validation
- Pilot production lines to debug, analyze, verify and finalize for production
- Traceability from raw materials through components and final assembly

Quality and Regulatory Accreditation:

- FDA registered as a contract manufacturer
- ISO 13485
- ISO 9001

Materials experience and expertise

- Polyurethane
- Tecothane®
- Carbothane®
- PEEK
- Ultem®
- Thermoplastic Elastomers (TPEs)
- Radel®
- Polysulfone
- Delrin
- Liquid-Crystal Polymer (LCP)
- Lexan®
- Polyethylene
- Polycarbonate

Cretex Medical

Cretex Medical is a family of companies that specializes in medical device contract manufacturing. Private ownership, a long-term perspective and a strong financial portfolio allow us to invest in the leading-edge technology and engineering know-how required to meet today's launch-critical timelines with confidence.

Whether you are a Fortune 500 medical technology stalwart or a promising startup, you can depend on our single-source approach to provide new efficiencies at every turn. When speed-to-market, quality compliance and design for manufacturability expertise are paramount to your program there is no company more capable or more responsive than Cretex Medical.



www.cretexmedical.com



www.rmsmachining.com

Contract manufacturing of medical devices and assemblies using state-of-the-art machining.



www.rmssurgical.com

Custom instrument manufacturing combined with design and fabrication of sterilization cases and trays. Focus on fast turnaround of prototype and production requirements.



www.junopacific.com

Medical device design, contract manufacturing and assembly, specializing in micro-molding, insert molding and multi-shot injection molding technology.



www.meiertool.com

Custom metal stamping, specializing in small and miniature metal-formed components and assemblies.



www.spectralytics.com

Contract laser micromachining and assembly of implantable devices and components for medical device manufacturers.



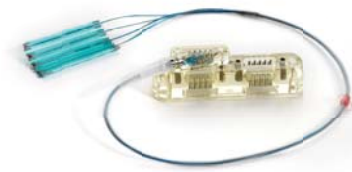
Medical Device Outsourcing

www.qtspackage.com

Medical device outsourcing services including cleanroom assembly, kitting, packaging, labeling, validations, inspection, cleaning, sterilization and supply chain management.

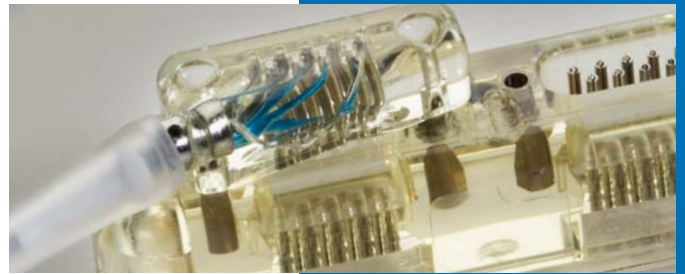


A closer look at precision



Header and lead component –

Polyurethane over-molded IPG header including lead connectors and assembled external wiring.



Complex wire harness –

(Extruded) jacket, terminated end connectors and over-molded strain relief.



Packaged procedure tray –

Custom molded and assembled components, accessories.



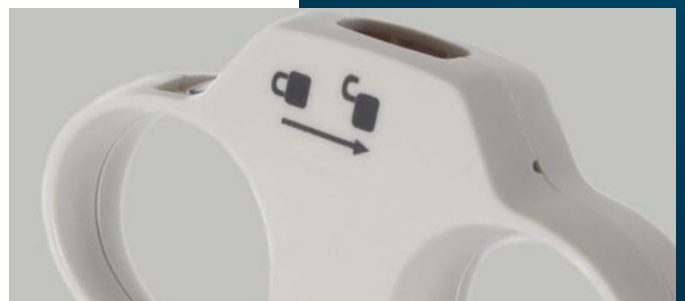
Cannula –

Molded with integral stop cock, trocar needle and hub assembly.



Disposable instrument handle assembly –

including pad printed markings.



JunoPacific, Inc.

Whether you are a major medical device manufacturer or a startup with a great new product, we can deliver what you need — from engineering through production, assembly and packaging. Contact us today to get an estimate for your next project, to arrange a tour of our facilities or just to learn more.

Call us at 763-703-5000.



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