Assembly and Fabrication of Silicone Medical Devices

Our Capabilities:

Parker’s Composite Sealing Systems Division (CSS) manufactures various single-use, as well as short & long-term implantable silicone medical devices for cardiovascular, nutritional, orthopedic, respiratory, urological and other general surgery OEMs. Our engineering and quality assurance teams work in close conjunction with OEM medical device engineers to optimize manufacturability, quality, cost-effectiveness and overall product-to-market timeline of newly designed components and devices.

Parker’s Composite Sealing Systems Division also offers medical device OEMs product with packaging and outsourced product sterilization services.

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Product Benefits:

- All silicone medical devices are manufactured with silicone materials from Dow Corning, Momentive, NuSil, Shin-Etsu and Wacker that will pass ISO 10993 tests.
- All silicone medical devices are manufactured in ISO Class 7 and ISO Class 8 Cleanrooms in FDA registered facilities.
- All silicone devices can be sterilized with autoclave, ethylene oxide or gamma radiation.
Our Capabilities (cont’d)

With in-house mold design and mold building capabilities, Parker’s Composite Sealing Systems Division can provide rapid prototypes of new components or devices so that OEM engineers can conduct functional field tests during the ongoing development of a device or component.

Parker’s Composite Sealing Systems Division manufactures single-use as well as short & long-term implantable silicone medical devices in an ISO 13485, FDA registered facility with ISO Class 7 and ISO Class 8 Cleanrooms.

Medical Markets Served:
- Cardiovascular
- Anesthesiology
- Bariatric surgery
- Endoscopy
- Nutritional
- Ophthalmology
- Orthopedics
- Reconstructive surgery
- Urology
- General surgery
- Wound Management