



Your Silicone Solutions Partner



Our Facility

42,000 sq. ft. facility
11,000 sq. ft. of Clean Rooms (Class 7)



Company History

1994

1994: Founded in Santa Barbara, CA (Moved to Woodland, CA in 1996)

- Acquired proprietary med device portfolio from Heyer-Schulte (now Mentor/J&J)
- Developed molding, extrusion and calendering expertise with HSR and LSR silicone material
- Started OEM contract manufacturing, making silicone sheeting for Mentor

2016

2016: Acquired by Hermitage/Greyrock

- Implemented institutional ownership standards, new mgmt., enhanced Engineering/QMS
- Expanded production capacity and fabrication technology (Dip Coating & Knife Coating)
- Grew OEM customer base and proprietary Medical Device segment

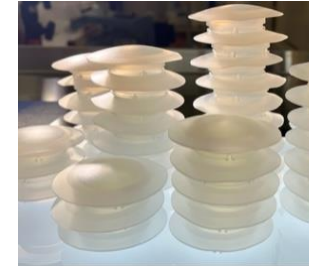
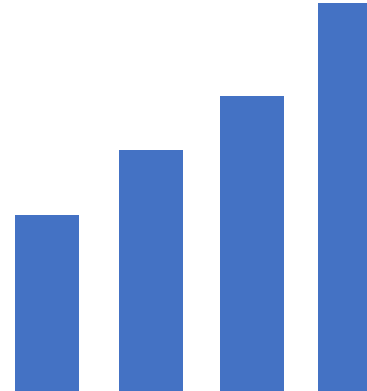
Current

Current:

- Industry-leading breadth of silicone fabrication capabilities
- Industry-leading micro fabrication capabilities

Established domain expertise in:

- Micro Molding
- Multi Lumen Extrusions
- Hybrid Calendered Sheeting
- Compounding Materials
- Tight Tolerances
- Complex Assemblies
- Value Added Services



Business Segments



Medical Silicone Fabrication

(Components, assemblies and finished devices)

Contract Manufacturing

(Medical Device OEM customers)



Proprietary Medical Devices

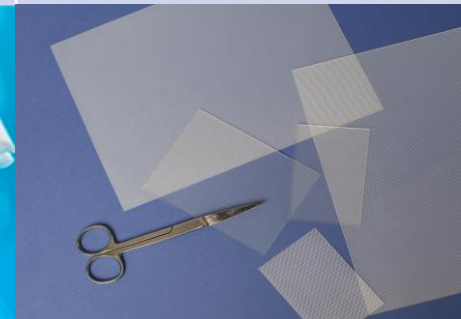
*(FDA Registered, Bentec labeled products)
(Surgical Applications, Hospital Customers)*



Clinical Applications Include: ENT, gastrointestinal, pediatric, cardiothoracic, long-term implants, ocular, radiation therapy, blood storage, peristaltic pumps, wound care.....

Market Segment Specialization

Segment	ENT	Specialty Tubing	Wound Care	Breast Implant
Market Positioning	Specialty	Value added fabricator/assembler	Developing	Leadership
Fabrication Capabilities	LSR/HCR, Over-molding, Micro-molding, Insert Molding, Extrusion, Assembly	Extrusion, Molding, Assembly, Pad Printing, Trimming, Punching	Calendering (Vulcanized, Un-Vulcanized, hybrid), Knife Coating, Laminating, Die Cutting, Spray Coating, Reinforcing	Molding, Calendering, Dip Coating, Knife Coating, Assembly
Differentiator	Precision micro molding and micro extrusions, complex assemblies, 20+ years experience	Multi Lumens, profiles, tight tolerances, molded assemblies	Knife Coating, thickness control, compounding materials, reinforcements	20+ years of expertise, turnkey contract manufacturing



Competitive Differentiators

Bentec is the leading manufacturer of complex medical grade silicone devices, requiring multiple fabrication processes, value added services, and the highest quality standards in implantable devices – with a proven track record of supporting blue-chip partners

Molding

Extrusion

Calendered
Sheeting

Knife
Coating

Dip Coating

Industry-Leading Breadth of Medical Grade Silicone Fabrication Capabilities

Selection of optimal
fabrication process

Combining multiple
fabrication processes to build
complex assemblies



Expertise in Silicone Material Science Engineering

Comprehensive
design consultation
& tooling services

Collaborating with
leading silicone
suppliers



Proprietary Manufacturing Techniques and Robust Processes

Advanced Micro
Molding capabilities

Fully validated
processes with
stringent environmental
and quality controls



Strong Quality and Regulatory Expertise

FDA Registered,
ISO 13485:2016, ISO 14644
Class 7 Cleanrooms

Consistently receive 100% on
monthly supplier scorecards
from Fortune 500 OEMs

Long-tenured, Blue Chip Customer Relationships

Industry-Leading Breadth of Medical Grade Silicone Fabrication Capabilities

Molding:

Complex geometric features, HCR or LSR material



Extrusion:

Round or polygonal tubes, single to > 20 lumens, HCR material only



Calendering:

Sheeting; vulcanized, unvulcanized or hybrid; HCR material only



Knife Coating:

Sheeting; vulcanized only; dispersion, gel or LSR material



Dip Coating:

Custom contoured design, dispersion material only

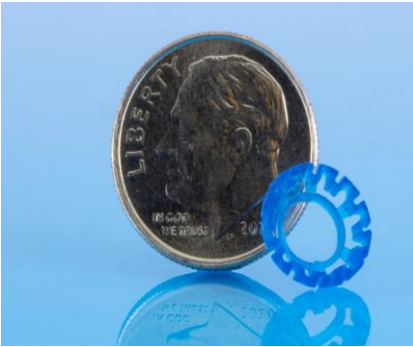


Industry-Leading Micro Fabrication Capabilities

Molding:

Dimensional features starting at 0.001" (25.4 μ)

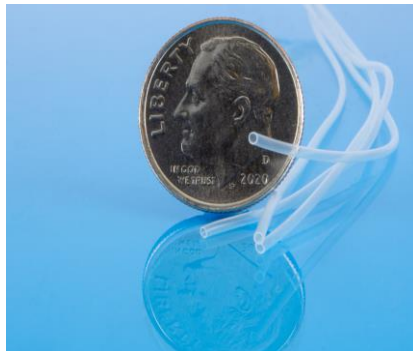
Tolerances as tight as ± 0.0005 " ($\pm 12.7\mu$)



Extrusion:

ID length starting at 0.001" (25.4 μ)

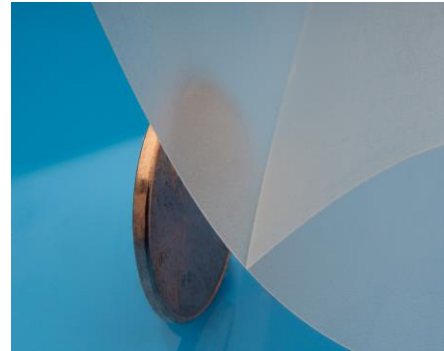
Tolerances as tight as ± 0.0005 " ($\pm 12.7\mu$)



Calendering:

Thicknesses starting at 0.0005" (12.7 μ)

Tolerances as tight as ± 0.0005 " ($\pm 12.7\mu$)



Knife Coating:

Thicknesses starting at 0.0005" (12.7 μ)

Tolerances as tight as ± 0.0005 " ($\pm 12.7\mu$)



Dip Coating:

Thicknesses starting at 0.005" (127 μ)

Tolerances as tight as ± 0.001 " ($\pm 25.4\mu$)



Additional Capabilities



Machine Shop

- In-house design and fabrication of custom tooling and dies

Custom Formulations

- Antimicrobial properties
- Compounding
- Radiopaque striping
- Solid or translucent colors
- X-ray shielding

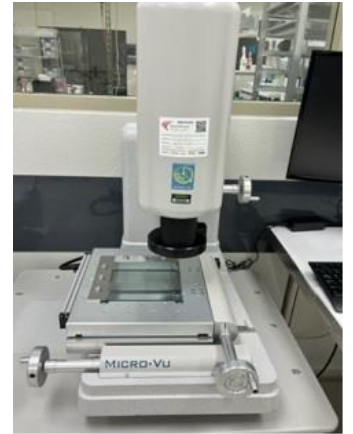
Secondary Operations

- Assembly and final assembly
- Dielectric testing
- Die cutting/kiss cutting
- In-line cutting
- Laser cutting
- Laser etching/engraving
- Pad printing
- Sterilization
- Packaging
- Proprietary surface bond treatment

Quality & Regulatory

Certifications/Approvals

- FDA Registered, ISO 13485:2016, CE mark for Silo Bag
- Approved Critical Supplier for Fortune 500 OEMs (audited regularly)



Quality Management System

- Robust mgmt. review process
- Active CAPA system
- Highly responsive complaint handling
- Exhaustive DHR review regimen
- Stringent NCR process
- Focus on SOPs & Training

Quality Metrics

- Minimal customer complaints (None regarding quality)
<12 per year (mostly order entry/shipping errors)
- Minimal product returns related to quality (not meeting specifications)
<3 per year at <\$10K annual sales value
- Consistently receive 100% on monthly supplier scorecards from OEMs
Measured for Quality, Delivery, Service

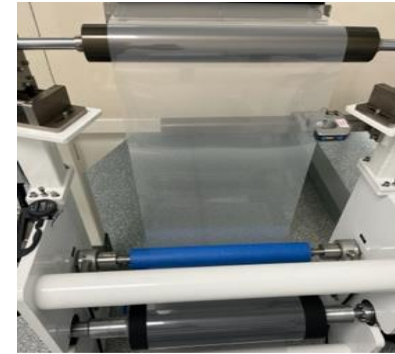
Customer Quality Scorecard	
Category	%
On Time	10%
Perfect Order	10%
Issues Support	10%
NCMRs	25%
Complaints	25%
Response time	10%
Quality Docs.	10%
Total Score	100%

Case Study #1: Micro Fabrication Expertise



Customer's Challenge:

Develop permeable silicone bag that allows excess gases to escape, yet retains enough strength to withstand pressure test.



Bentec's Solution:

- Exceeded Customer Expectations for Gas Permeability by 50%
- Achieved 250% Increase in Tensile Strength vs. Competitors
- Compressed Development Time by 99.9% vs. Competitors

Customer Testimonial:

“You’ve done more for us in a single meeting than your competitors have done in the last five years. I wish we had found you sooner!”

Case Study #2: In-House Compounding Expertise

Customer's Challenge:

Develop light-weight radiation shielding system using silicone-to-metal compounding.



Customer Testimonial:

“Bentec’s engineering expertise is unparalleled. We received tremendous cost savings with improved quality, fast turnaround time and regular updates via weekly meetings.”

Bentec’s Solution:

- Improved Quality Scores from 0% (Competitor) to 100% (Bentec)
- Achieved 50% Unit Price Reduction vs. Competitor
- Compressed Development Time by 83% vs. Competitor

Case Study #3: Assembly Expertise



Customer's Challenge:

Perform comprehensive quality assessment of six-layered, miniaturized electrode assembly and develop solution to improve competing supplier's chronic quality problems.

Bentec's Solution:

- Designed New Manufacturing Protocols to Alleviate Quality Risk Points in Assembly Process
- Improved Quality Scores from 60% (Competitor) to 100% (Bentec)
- Achieved 20% Unit Price Reduction vs. Competitor
- Provided 60% Shorter Lead Time vs. Competitor

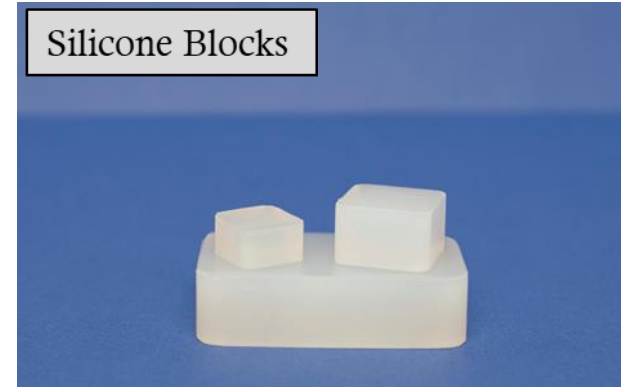
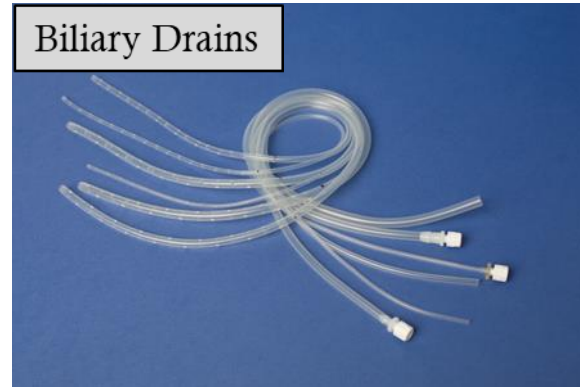
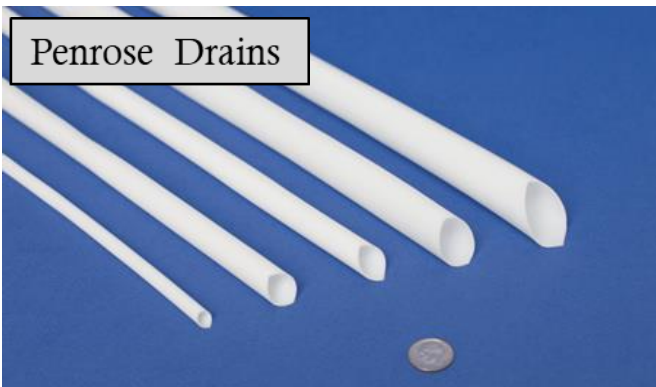
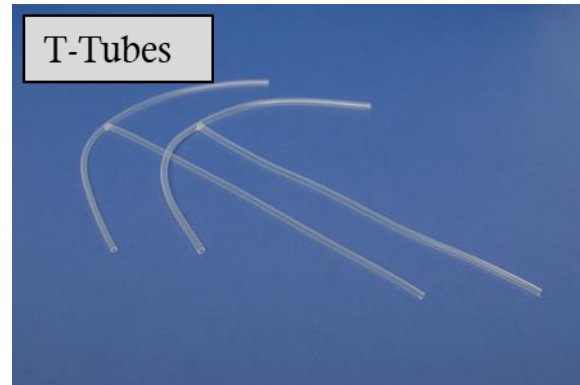
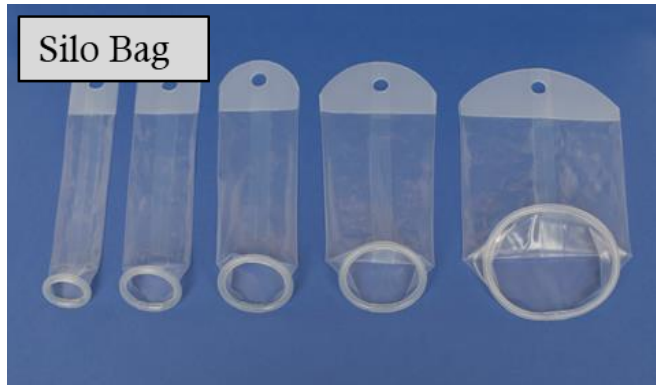
Customer Testimonial:

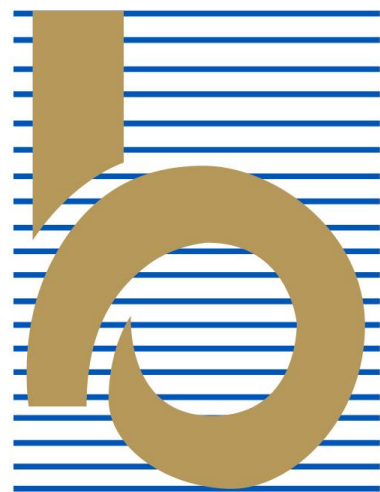
“You make my job easier. Please do not change a thing about your process. We love your product!”

Bentec Labeled Medical Devices

Utilized in over **3,000 hospitals** worldwide

- Leadership position in niche markets - Silo Bag (infantile gastroschisis), T-Tubes (surgical bypass tubing)
- Loyal customer base with - Penrose Drains, Biliary Stents, Implant Grade Silicone Sheeting and Silicone Blocks
- Single-use surgical applications





bentec

M E D I C A L

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