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Epidemiologists, Take Note

Tadco Medical of Farmington, N.M., has partnered with Polyzen, Inc., to produce protective sleeves for medical products to safeguard patients from cross-contamination, reduce liability risks, and save on cleanup time. Developed by Dr. William Slater, the “Slater sleeve” is described as a simple (proprietary) device made of clear, bio-compatible polyurethane manufactured in a patented process.

Polyzen says Tadco requested it to develop a sleeve that was easy to manufacture and versatile, and with peel-down features that would allow easy access for laryngoscopes. Polyzen notes that to avoid contamination or spread of infection or disease when inserting a laryngoscope into a patient’s throat, medical personnel must either sterilize the blade portion between uses—a costly and time-consuming task— or apply a clean sleeve over units. “Tadco further challenged us,” says the company, “to make the sleeves operator friendly, with easy-on handling characteristics...to provide ideal protection during intubations.”

Polyzen developed a 1.5-mil sleeve in two sizes—3-to-5 inch and 5-to-8 inch—using specialty polyurethane polymers and compounds approved for medical use in the film production. The company then used its proprietary process to invisibly weld the “almost nonexistent” seam to ensure patient comfort while sealing the sleeve to reduce any liability risk. The sleeves were incorporated onto a special peel-down pouch to give the user easy access and ensure that the sleeve remains clean prior to the intubation procedure.



New proprietary polyurethane films are formed into protective sleeves for medical products by a patented sealing process by Polyzen, Inc.

Tadco says that its disposable cover “has really caught on” in hospitals and surgical centers largely because the new non-latex, nonporous barrier sleeve offers a combination of simplicity and efficiency while ensuring no-touch intubations for medical practitioner.

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POLYZEN, INC. Medical/Polymer Division

Developer and Manufacturer of Specialty Disposable Components and Devices for Medical Industry OEMs

Polyzen is a leading manufacturer of specialty and disposable components and devices for medical industry OEMs. Polyzen specializes in taking a project from conception all the way through to final production. The firm offers an array of services including extremely quick turnaround time, high quality products, technical expertise and dependable service. Polyzen manufactures non-latex low pressure balloons, stents and scope tubing coatings, organ/tissue bags, protective barrier sleeves, clear probe covers, urethane bladders, thin wall films, and various device assembly, among other offerings.



Polyzen's Promise of Value to our Customers is:

- Innovative solutions in terms of material formulations, process or design optimization for your medical device design challenges.
- Consistent quality with attention to detail.
- Dependable service with a sense of urgency.

WHEN DEVICE DESIGN NEEDS TO BE INNOVATIVE, POLYZEN MEASURES UP TO THE CHALLENGE!

Polyzen is a one stop source for meeting the special needs of the medical device industry, offering extremely quick turnaround, high quality products, technical expertise and dependable service, as well as an array of capabilities, including:

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- Balloons - Low Pressure
- Coatings - Stent, Scope Tubing
- Multifunctional Sleeves/(RO) Gloves/Condoms

Thin Film (RF/Impulse) Welding

- Organ Bags/Tissue Bags
- Oversized Pressure Cuffs
- Protective Barrier Sleeves/Scope Covers

Thermo/Vacuum Forming

- Clear Probe Covers - Light/UV/Laser
- Urethane Bladders
- Custom Designed Trays/Containers

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- Tubing from 1-5 mil Wall Thickness

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CONTRACT R&D, CONSULTATION AND PROTOTYPE DEVICE DEVELOPMENT

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