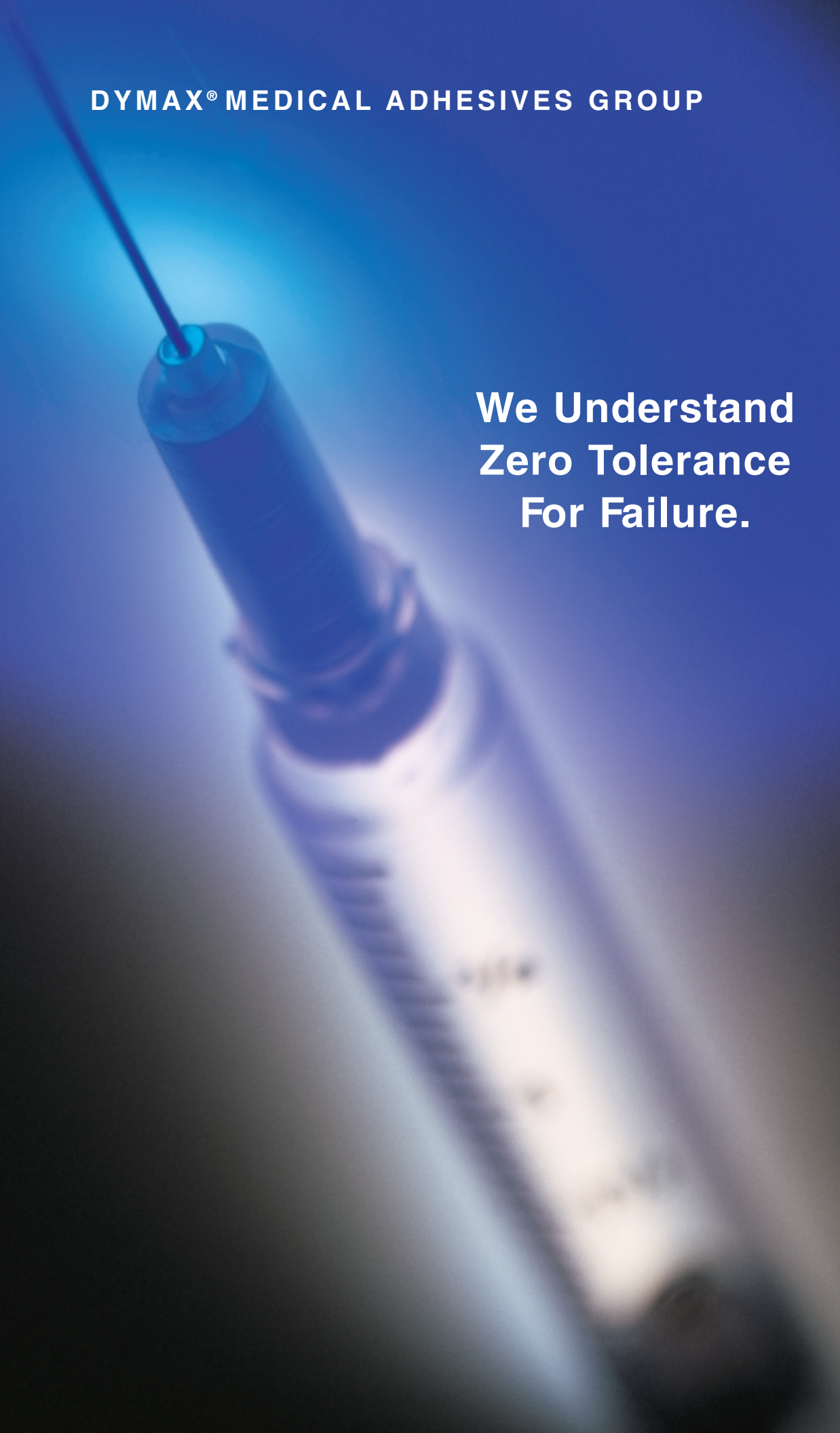


**DYMAX<sup>®</sup> MEDICAL ADHESIVES GROUP**

**We Understand  
Zero Tolerance  
For Failure.**



# We Built An Adhesive Company Around It.



DYMAX patented ultra-fluorescent adhesives ensure fast and easy quality control.

From product development through technical support, DYMAX® is structured to help you avoid defects, contain costs and improve throughput.

DYMAX pioneered the use of light-curable adhesives for the medical disposables industry. They are now used in more medical device applications than any other light curing adhesive in the world. We have over 2,000 proven light curing formulas in our library and the ability to match them

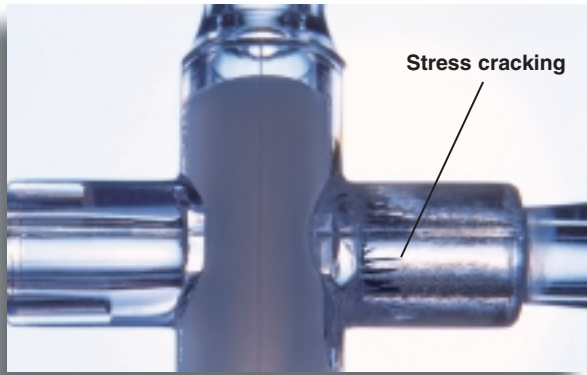
to your needs. Or, if we need to develop a new formula for your specific application, our R&D team is ready to create one – quickly. This includes custom viscosities, color, fluorescence, cure speed and other characteristics.

Beyond recommending the right adhesive, the DYMAX Medical Adhesives Group helps you make it work in your process. Our customers achieve major product improvements and assembly

efficiencies, often with only minor changes to their existing process.



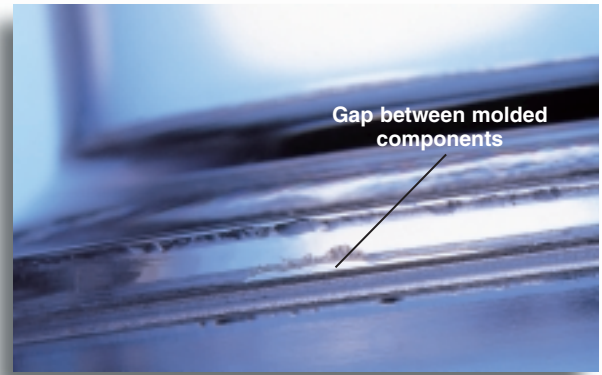
Over 60% of anesthesia masks worldwide rely on resilient DYMAX adhesives.



**Stopcock manufacturer replaces solvents, eliminates defects. Productivity up 400%.**

Microscopic stress cracks created a 10% scrap rate. Additional cracks appeared after shipping to customers. To eliminate field defects, batch processing was implemented, creating shipping delays and even more scrap.

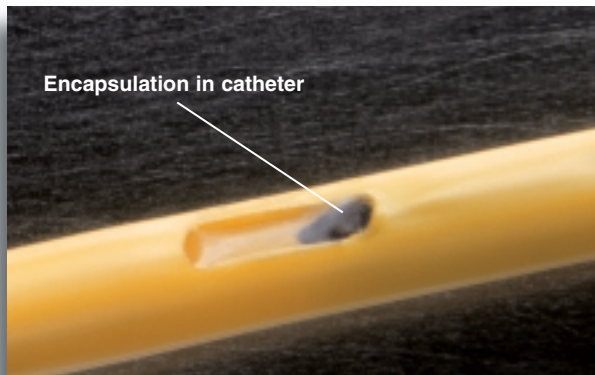
**The DYMAX answer.** Replace solvents with a low strain, light-curable adhesive. This eliminated the cracking by reinforcing substrates and joints, rather than attacking and weakening them. The DYMAX system resulted in an uninterrupted assembly process. No inventory build-up. No scrap. No delay.



**Switching from ultrasonic welding eliminates reservoir scrap.**

Welded part failures resulting from molding variations in polycarbonate components caused a 16% reject rate. Ultrasonic welding didn't have the ability to hermetically seal the gaps.

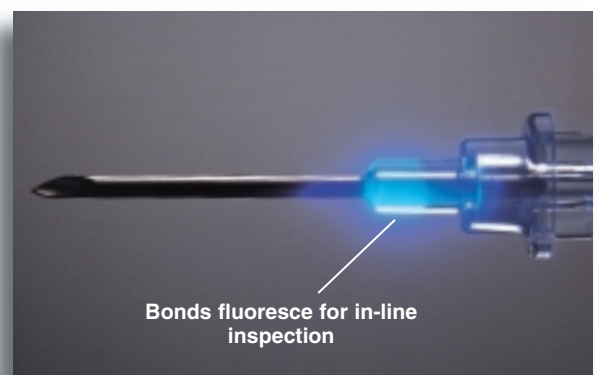
**The DYMAX answer.** A light curing adhesive that filled the gaps. This sealed molding imperfections, producing flawless products, which eliminated the scrap. Our adhesive bonded in seconds so the customer achieved zero defects and gained production speed.



**Manufacturer moves from epoxy, eliminates the cost of one shift.**

Besides the initial \$30,000 capital equipment investment, the epoxy used by this manufacturer took an hour to oven cure. Racking for curing was labor intensive. Storage required 30 square feet of cleanroom space.

**The DYMAX answer.** A light curing adhesive that cured in seconds without ovens, and an uninterrupted in-line assembly process. This reduced space, time, and eliminated the labor of one shift. The area for the curing process was slashed by 60%.



**Field failures prevented without labor-intensive inspection process.**

A needle assembly customer had a 10% field failure rate. To solve this, the customer added a 100% manual inspection process creating unacceptable labor costs and compromised throughput.

**The DYMAX answer.** A light curing adhesive that fluoresced for in-line detection. Fluorescing brightly after curing, the adhesive was perfectly suited for an automated vision system. Results: field failure rate of zero without the time and expense of manual inspection.

# DYMAX. More innovations in light-curable adhesives than any other adhesive manufacturer in the world.

DYMAX Corporation was the first adhesive manufacturer to have its medical products tested to meet both USP Class VI and ISO 10993 biocompatibility standards. DYMAX is an ISO certified organization. In twenty years of innovative Research & Development, DYMAX has earned many patents. These led to the creation of technologies for brightly

fluorescing adhesives and curing through semi-opaque or UV-inhibited plastics.

In addition to the medical market, DYMAX serves demanding industries such as electronics, aerospace, automotive, telecommunications, and information systems. Applications include printed circuit board protection, electronic component encapsulation, lens bonding

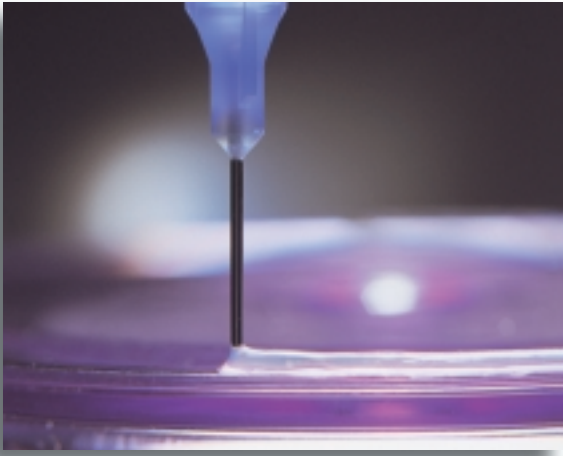
and fiber optic assembly.

At DYMAX, we support our Medical Adhesives Group with cutting-edge technology in both light-curable adhesives and assembly processes.

Our adhesives and curing systems optimize the speed of automated assembly, allow 100% in-line inspection, lower space requirements and minimize regulatory compliance costs.

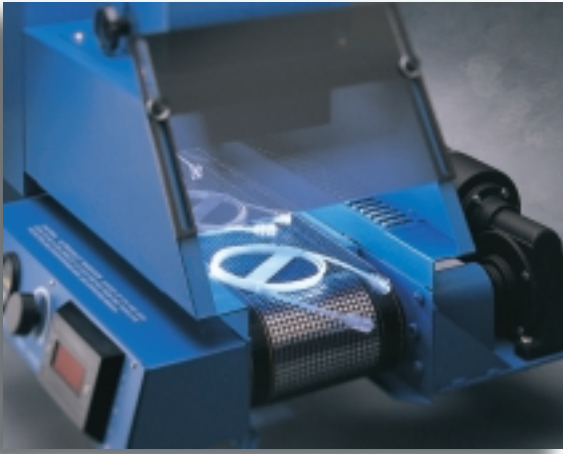


DYMAX adhesives withstand the test of time in critical medical devices.



### **Dispensing**

We recommend the right dispensing equipment for your specific needs; this ensures precise adhesive placement and consistency, lot after lot. Long-standing alliances with manufacturers of dispensing equipment allow us to help you meet your unique dispensing requirements.



### **Conveyor Curing**

DYMAX combines its flood and focused beam curing lamps with digitally controlled conveyors to create a compact curing process. This system maintains the proper energy dosage every time to ensure process consistency. Bonds cure in seconds so parts are immediately ready for testing and packaging.



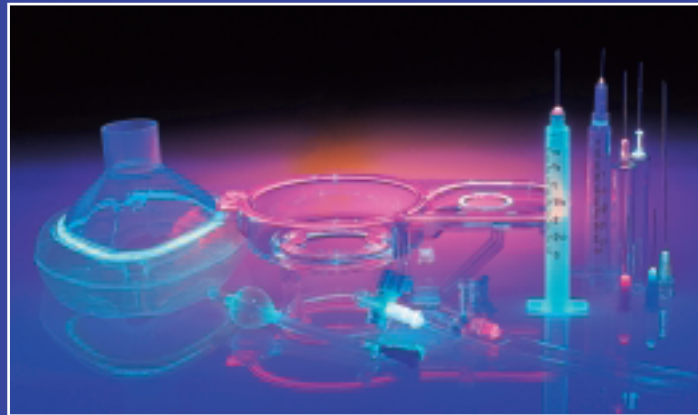
### **Spot Curing**

DYMAX spot lamps are ideal for high intensity, localized curing of small bond areas. Their portability and space-saving size make them ideal for R&D or manual production. They are also easily integrated into fully automated assembly systems.

**DYMAX can help you create an assembly process that meets your budget and production requirements.**

DYMAX manufactures a variety of light curing systems ranging from portable spot lamps to modular flood systems and conveyors.

We match the adhesive with dispensing and light-curing systems to accommodate your specific application.



For a free demonstration or to try a DYMAX light-curing system from our Trial Rental/Lease Program, please call DYMAX Applications Engineering toll free at: 1-877-DYMAX-MD (1-877-396-2963)



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