Through innovative technologies and applications, we cover all of your critical medical device adhesion needs so your products perform as they should. H.B. Fuller provides proven adhesive solutions for a variety of medical applications including disposable device assembly, wearables and wound closure.

**A GLOBAL PARTNER IN MEDICAL ADHESIVES**

H.B. Fuller focuses on connecting what matters with the right adhesive solutions for your medical applications. We bring our technical expertise and application experience together to enable our customers to explore and commercialize diverse new ideas. We partner with our medical customers at all stages of device design and manufacture. By identifying the best adhesive solutions for our customers’ needs, we work together to deliver the highest quality medical devices every time.

**ACCELERATING INNOVATION WITH THE ACQUISITION OF CYBERBOND, LLC**

H.B. Fuller’s acquisition of Cyberbond, LLC, a leading provider of high-performance cyanoacrylates and UV curable adhesives, creates a single company uniquely positioned to serve the medical industry. We know that our combined businesses can have a real and meaningful impact on people’s lives by helping customers deliver excellent product performance to ensure both patients and medical professionals have a great experience every time.

**ISO 13485 CERTIFICATION PUTS US AT THE TOP OF THE CLASS**

Medical manufacturers rely on their suppliers for consistent and reliable materials. At H.B. Fuller, we know that adhesive failure in a medical device could mean the difference between life and death. Our Batavia, Illinois, US, facility is ISO 13485 certified, ensuring that our products are made consistently – the same way, every time – and that they will conform to international standards. We are among only a few adhesive manufacturers in the world to carry this quality certification.

**ISO 10993 BIOPATIBLE ADHESIVES IS OUR STANDARD**

We do our homework to accelerate your development cycle. Our medical adhesives have passed ISO 10993 certification for cytotoxicity and, based on application, many of them have also passed ISO 10993 for skin irritation and skin sensitization testing.

**FAST, STRONG, AND SOLVENT FREE**

Performance is key in medical device assembly and our adhesive provide fast, strong and solvent free bonding. Cyanoacrylates and UV-curable adhesives cure in seconds, result in a tack free bond allowing our adhesives to also be used as coatings. Our adhesives stand up to the rigors of sterilization such as ETO and gamma. For multi-use devices that are typically re-sterilized by autoclave, we leverage our epoxy technology.
H.B. Fuller adhesives can meet your performance requirements to deliver exceptional results with the right adhesive for your medical application. Our products have been used around the world in medical applications for more than two decades, enabling diverse new ideas and accelerating innovation.

2611 FOR INSTANT PLASTIC BONDING
U301 FOR UV CONTROLLED CURE
Secure and seal dissimilar plastic pieces of the IV kits

2028 WITH 6070 PRIMER
Fast curing between dissimilar plastics that are often difficult to bond. Viscosities enable replacement of solvent bonding

2999 FOR HANDLE ASSEMBLY
U310 FOR BALLOON ATTACHMENT
Adhesive solutions for catheter assembly

2075 FOR MECHANICAL DEVICE
Instantly bonds plastics, stainless steel and nitinol

MH205 SKIN ATTACHMENT PSA
Hot melt with excellent initial tack for temporary bonding to skin

FH3911 CLEAR POTTING ADHESIVE
Fast gelling for efficient manufacture of hollow fiber filters

U310 FOR NEEDLE BONDING
Provide high pull strength on the smallest gauges. Fluorescing formulas available.

U304 FOR AIRWAY MASK
Bonds rigid cone to the soft cushion with a strong bond that flexes for patient comfort
DIFFICULT TO BOND SUBSTRATES

Hard-to-bond substrates have lately proliferated in the medical device market, partly as a result of growing concern over the safety of certain plasticizers. The transition from traditional materials such as PVC to newer plastics that are DEHP/Pthalate free has brought pause for some medical device manufacturers as they learn that their previous adhesive solutions no longer meet their performance requirements. H.B. Fuller works with our medical device customers, by leveraging surface treatments and customized formulations, to achieve a reliable between challenging substrates.

Surface Treatment: One of the most effective ways to bond LSE materials is to change how the adhesive will “wet-out” on the surface by changing the dyne level through surface treatment. When LSE substrates come into contact with liquid adhesives of higher surface energy, the adhesive is denied the crucial ability to “wet-out” across the substrate surface effectively. H.B. Fuller offers our customers a liquid medical grade primer in 6070 which has helped many of our medical device customers accomplish their goals in working with hard-to-bond substrates. The picture below on the left illustrates the difference between proper wetting (using 6070 primer on the left) and undesirable beading (untreated on the right). The graph below on the right contrasts the ability of two different surface preparations- primer application and plasma treatment- to promote adhesion on PP and HDPE.

CUSTOMIZED FORMULATIONS

Developing custom adhesive solutions to meet device manufacturers’ specific needs is in the DNA of H.B. Fuller’s Cyberbond brand. Our many ISO-10993 compliant adhesives illustrate our proven expertise in the medical device market and the selection on the previous page covers a wide variety of potential uses.

For more unique applications, our experience also gives us the ability to create custom formulas based on application-specific needs. Our list of custom formulas is necessarily confidential, but our size, responsiveness and expertise has allowed us to provide custom solutions to customers with a wide range of requirements. For customized adhesives, ISO 10993-5 cytotoxicity testing can be completed in 4 weeks upon customer approval.
ABOUT H.B. FULLER

For 130 years, H.B. Fuller has been a leading global adhesives provider focusing on perfecting adhesives, sealants and other specialty chemical products to improve products and lives. With fiscal 2016 net revenue of $2.1 billion, H.B. Fuller’s commitment to innovation brings together people, products and processes that answer and solve some of the world’s biggest challenges. Our reliable, responsive service creates lasting, rewarding connections with customers in electronics, disposable hygiene, medical, transportation, clean energy, packaging, construction, woodworking, general industries and other consumer businesses. And our promise to our people connects them with opportunities to innovate and thrive. For more information, visit us at www.hbfuller.com and subscribe to our blog.