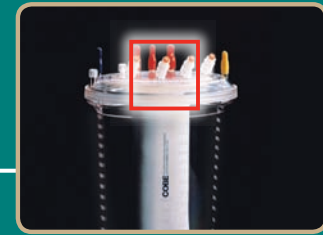
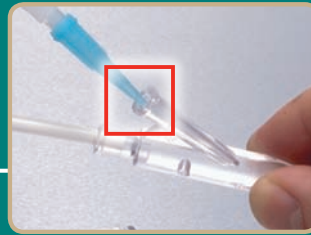


*Your Source for*  
**MEDICAL APPLICATION SOLUTIONS**



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Loctite® adhesives have been specified by medical device manufacturers all over the world for over two decades. Our experience, products and engineering services are second to none, with the world's most diversified and comprehensive line of adhesives, dispensing equipment and curing systems available anywhere. We offer over 75 products for medical device assemblies requiring biocompatibility and hundreds of other products for applications not requiring toxicity testing.

**LOCTITE® MEDICAL DEVICE ADHESIVES OFFER MANY BENEFITS, INCLUDING:**

- Comprehensive ISO 10993 biocompatibility testing
- Ability to bond dissimilar and difficult substrates
- Even stress distribution
- Excellent gap filling capability
- Rapid fixture and overall cure times
- Structural bonds
- Increased throughput

Loctite® Adhesives and Sealants Product Specialists are available to assist you with new product designs, or to help you re-engineer an existing application for improved performance and cost savings. They can also set up testing of your parts at the Henkel Customer Engineering Center. For application assistance, call **1-800-LOCTITE (562-8483)**; *within Canada, call 1-800-263-5043*; or contact us through the web at [www.henkelna.com/loctite](http://www.henkelna.com/loctite).

**STRAIGHT FROM *The Source***

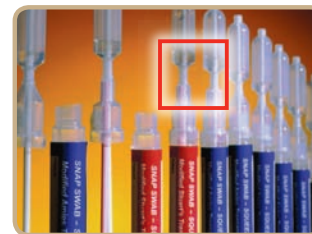
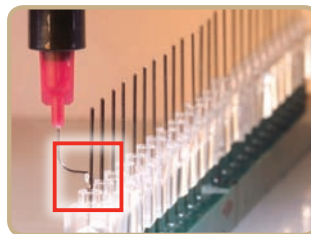
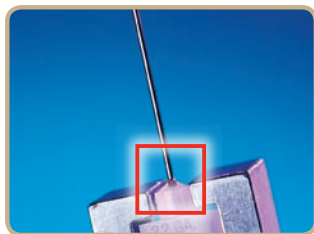
Our medical device adhesives cover almost every adhesive chemistry conceivable, providing you with a wide range of choices and assembly solutions. We know one product won't fit every design, and that's why we continue to create and add new products, new chemistries and even new technologies. No matter what the application, chances are we have the right adhesive for the job. Our products are available in viscosities ranging from water-thin liquids to thixotropic gels, and are compatible with common sterilization methods such as ethylene oxide, gamma radiation, electron beam, liquid sterilization, autoclave, and peroxide plasma.

**GETTING STARTED – SELECTING A MEDICAL DEVICE ADHESIVE**

The following chart has been designed to help you select a medical device adhesive. This chart is intended to serve as a general guideline to help you determine which adhesive categories are best suited for your application. The data presented represents typical properties for each adhesive category; however, individual product properties may differ. Individual product information can be found on the pages that follow to help you narrow your search.

**HENKEL OFFERS THE MOST COMPREHENSIVE LINE OF LOCTITE® ADHESIVES AND SEALANTS AVAILABLE TO THE MEDICAL DEVICE INDUSTRY**

These ISO 10993-compliant products are designed specifically for the assembly of medical devices where toxicity testing and sterilization resistance are required.



## Your Source MEDICAL APPLICATION SOLUTIONS SELECTOR GUIDE

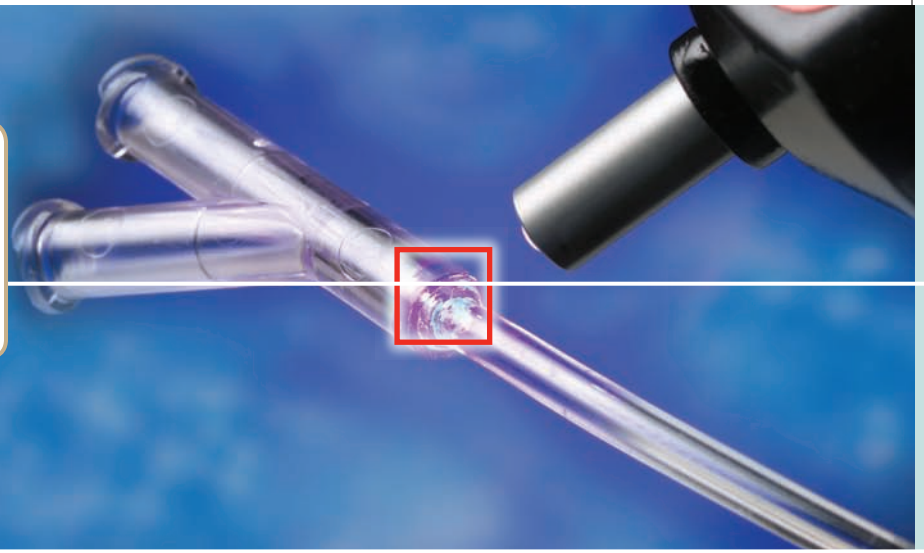
PERFORMANCE CONSIDERATIONS	ADHESIVE CATEGORY				
	CYANOACRYLATES	EPOXIES	LIGHT CURE ADHESIVES	SILICONES	URETHANES
<b>BENEFITS</b>	Wide range of bonding applications	Wide range of formulations	Rapid cure/adhesion to plastics	Excellent temperature resistance	Excellent toughness/flexibility
<b>LIMITATIONS</b>	Low solvent resistance	Mixing required	Light cure system required	Low cohesive strength	Sensitive to moisture
<b>TEMPERATURE RESISTANCE</b>					
<b>TYPICAL FOR THE CATEGORY</b>	-65°F to +180°F (-54°C to 82°C)	-65°F to +300°F (-54°C to 149°C)	-65°F to +300°F (-54°C to 149°C)	-65°F to +350°F (-54°C to 177°C)	-65°F to +250°F (-54°C to 121°C)
<b>HIGHEST RATED PRODUCT</b>	250°F (121°C)	300°F (149°C)	300°F (149°C)	350°F (177°C)	250°F (121°C)
<b>ENVIRONMENTAL RESISTANCE</b>					
<b>POLAR SOLVENTS</b> <small>(EX.: H<sub>2</sub>O, ETHYLENE GLYCOL, ISOPROPYL ALCOHOL, ACETONE)</small>	Poor <sup>1</sup>	Very Good	Good	Good	Good
<b>NON-POLAR SOLVENTS</b> <small>(EX.: MOTOR OIL, TOLUENE, GASOLINE, ATF)</small>	Good	Excellent	Very Good	Poor to Fair	Good
<b>ADHESION TO SUBSTRATES</b>					
<b>METALS</b>	Very Good	Excellent	Good	Good	Good
<b>PLASTICS<sup>2</sup></b>	Excellent	Fair	Excellent	Good	Very Good
<b>GLASS</b>	Poor	Excellent	Excellent	Good	Good
<b>RUBBER</b>	Very Good	Fair	Fair	Fair	Good
<b>OVERLAPPING SHEAR STRENGTH</b>	High	High	High	Low	Medium
<b>PEEL STRENGTH</b>	Low <sup>3</sup>	Medium	Medium	Medium	Medium
<b>TENSILE STRENGTH</b>	High	High	High	Low	Medium
<b>ELONGATION/FLEXIBILITY</b>	Low	Low	Medium	Very High	High
<b>HARDNESS</b>	Rigid	Rigid	Semi-Rigid	Soft	Soft
PERFORMANCE CONSIDERATIONS	ADHESIVE CATEGORY				
	CYANOACRYLATES	EPOXIES	LIGHT CURE ADHESIVES	SILICONES	URETHANES
<b>NUMBER OF COMPONENTS</b>	1	1 and 2	1	1	2
<b>CURE TEMPERATURES</b>	Room Temperature	Heat or Room Temperature	UV/Visible	UV/Visible	Room Temperature
<b>FIXTURE TIME</b>					
<b>AVERAGE</b>	60 seconds	5 hours	30 seconds	10 minutes	5 hours
<b>FASTEST</b>	< 5 seconds	15 to 20 minutes	5 seconds	60 seconds	5 hours
<b>FULL CURE TIME</b>	24 hours	30 minutes to 24 hours	30 to 60 seconds	24 hours	24 hours
<b>GAP FILL</b>					
<b>IDEAL (IN INCHES)</b>	0.001 to 0.003	0.004 to 0.006	0.002 to 0.010	0.004 to 0.006	0.004 to 0.006
<b>MAXIMUM (IN INCHES)</b>	0.010	0.5	0.25	0.25	0.5
<b>DISPENSING/MIXING EQUIPMENT REQUIRED</b>	No	Yes (2 parts)	No	No	Yes
<b>LIGHT CURE VERSIONS AVAILABLE?</b>	Yes	No	Yes	Yes	No

<sup>1</sup> Cyanoacrylates have very good moisture resistance on plastics.

<sup>2</sup> Uncured liquid adhesives may cause stress cracking of certain thermoplastics, e.g., polycarbonate, acrylic and polysulfone. Special products and process techniques are available. Consult the Loctite® Design Guide to Bonding Plastics (LT-2197) or contact 1-800-LOCTITE (562-8483) for more information.

<sup>3</sup> Exception: Toughened cyanoacrylates have high peel strength.

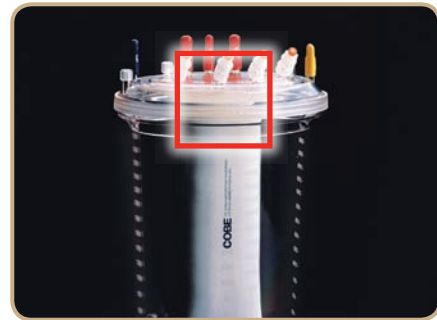
Your Source for MEDICAL APPLICATION SOLUTIONS  
**LIGHT CURE ACRYLIC ADHESIVES**



Light Cure Acrylic Adhesives



Sources REVEALED



[ Visible with Fluorescence ]

**Source's PICK** Loctite® 3554™/3555™/3556™ Indigo™ Visible Light Cure Adhesives

Low, medium and high viscosity adhesives that cure in the visible spectrum offering properties and performance similar to most UV/visible adhesives. Visible light adhesives cure with unique systems that minimize venting or specialized safety equipment. Benefits include lower initial investment and reduced maintenance costs.

Item #	3554™	1072199	25 ml syringe
	3554™	1072198	1 liter bottle
	3555™	1072221	25 ml syringe
	3555™	1072200	1 liter bottle
	3556™	1072223	25 ml syringe
	3556™	1072222	1 liter bottle

[ UV/Visible with Fluorescence ]

**Loctite® 3341™ Light Cure Adhesive**  
**PLASTICIZED SUBSTRATES**

A rapid cure, UV/visible, fluorescing adhesive that bonds highly plasticized PVC and other difficult-to-bond substrates.

Item #	23792	25 ml syringe
	23440	1 liter bottle

**Source's PICK** Loctite® 3921™/3922™/3924™/3926™ Light Cure Adhesives

**PLASTIC/METAL**

Fluorescing, UV/visible adhesives offering superior sterilization resistance. Ideal for bonding a wide variety of plastic and metal components where environmental resistance is required.

Item #	3921™	36484	25 ml syringe
	3921™	36485	1 liter bottle
	3922™	32083	25 ml syringe
	3922™	32047*	1 liter bottle
	3924™	36488	25 ml syringe
	3924™	36489	1 liter bottle
	3926™	36492	25 ml syringe
	3926™	36493	1 liter bottle

**Source's PICK** Loctite® 3941™/3942™/3943™ Light Cure Adhesives

**HIGH PERFORMANCE/ VARIOUS SUBSTRATES**

Fluorescing, UV/visible acrylic adhesives. Ideal for applications where high strength on a variety of substrates and rapid surface cure are required.

Item #	3941™	36437	25 ml syringe
	3941™	36476	1 liter bottle
	3942™	36483	25 ml syringe
	3942™	36481	1 liter bottle
	3943™	36480	25 ml syringe
	3943™	36478	1 liter bottle

**Source's PICK** Loctite® 3971™/3972™ Light Cure Adhesives

**PLASTICIZED SUBSTRATES**

Rapid curing, UV/visible, fluorescing adhesives that bond highly plasticized materials, including PVC and polyurethane.

Item #	3971™	36792	25 ml syringe
	3971™	36805	1 liter bottle
	3972™	36294	25 ml syringe
	3972™	36295	1 liter bottle

**Loctite® 3974™ Light Cure Adhesive**  
**HIGHLY FLEXIBLE** **NEW**

A highly resilient, extremely flexible, thermal-cycling resistant UV/visible adhesive that bonds plastic, metal and glass.

Item #	1135733	25 ml syringe
	1135732	1 liter bottle

**Loctite® 3979™ Light Cure Adhesive**  
**GEL, RED FLUORESCENT** **NEW**

A rapid curing, UV/visible non-sag gel which fluoresces red.

Item #	1402562	25 ml syringe
	1402563	300 ml cartridge

\* Made-to-order item.

[ UV/Visible Without Fluorescence ]

**Loctite® 3201™/3211™**  
**Light Cure Adhesives**

**POLYCARBONATE/THERMOPLASTICS**

High viscosity, UV/visible adhesives that form very flexible joints with minimal stress cracking. Ideal for bonding polycarbonate and other thermoplastics.

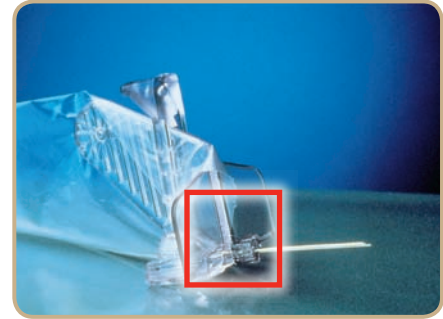
Item #	3201™	19727	25 ml syringe
	3201™	19728	1 liter bottle
	3211™	19730	25 ml syringe
	3211™	19731*	1 liter bottle

**Loctite® 3301™/3311™/3321™**  
**Light Cure Adhesives**

**PLASTIC/METAL**

Low viscosity, slightly flexible, UV/visible adhesives. Excellent for bonding thermoplastics and plasticized PVC.

Item #	3301™	19733	25 ml syringe
	3301™	19734	1 liter bottle
	3311™	19736	25 ml syringe
	3311™	19737	1 liter bottle
	3321™	19739	25 ml syringe
	3321™	19740	1 liter bottle



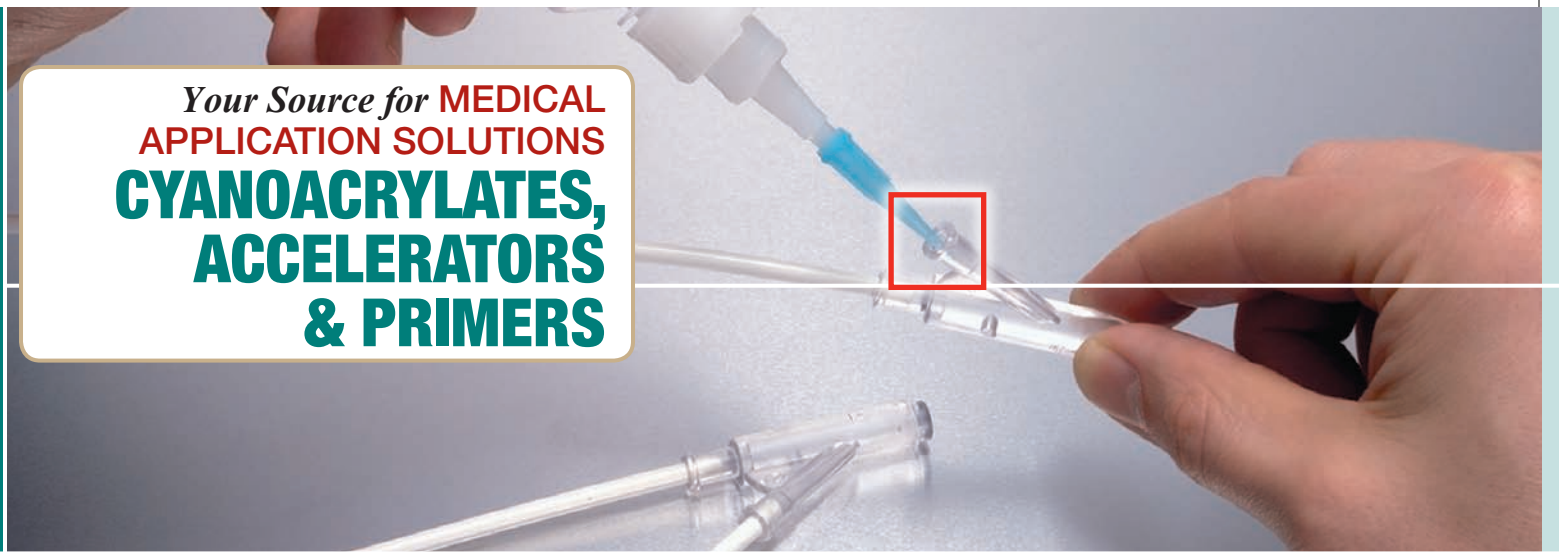
[ Loctite® Medical Device Acrylic Adhesives Properties Chart ]

LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	APPEARANCE/CLARITY/COLOR	CURE TYPE	KEY SUBSTRATES	VISCOSITY (cP) BROOKFIELD (25°C)	TEMPERATURE RANGE	ISO 10993 COMPLIANT	
ACRYLIC VISIBLE WITH FLUORESCENCE	<b>3554™ INDIGO®</b>	1072199 1072198	25 ml syringe 1 liter bottle	Clear/Light Yellow	Visible	Polycarbonate, thermoplastic, polyvinylchloride	300	-65°F to 300°F (-54°C to 149°C)	●
	<b>3555™ INDIGO®</b>	1072221 1072200	25 ml syringe 1 liter bottle	Clear /Light Yellow	Visible	Polycarbonate, thermoplastic, polyvinylchloride	1,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>3556™ INDIGO®</b>	1072223 1072222	25 ml syringe 1 liter bottle	Clear /Light Yellow	Visible	Polycarbonate, thermoplastic, polyvinylchloride	5,000	-65°F to 300°F (-54°C to 149°C)	●
ACRYLIC UV/VISIBLE WITH FLUORESCENCE	<b>3341™</b>	23792 23440	25 ml syringe 1 liter bottle	Clear/Straw/Fluorescent	Ultraviolet, visible	Thermoplastics, polyvinylchloride	450	-65°F to 300°F (-54°C to 149°C)	●
	<b>3921™</b>	36484 36485	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate, polyvinylchloride	150	-65°F to 300°F (-54°C to 149°C)	●
	<b>3922™</b>	32083 32047*	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate, polyvinylchloride	300	-65°F to 300°F (-54°C to 149°C)	●
	<b>3924™</b>	36488 36489	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate, polyvinylchloride	1,100	-65°F to 300°F (-54°C to 149°C)	●
	<b>3926™</b>	36492 36493	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate, polyvinylchloride	4,500	-65°F to 300°F (-54°C to 149°C)	●
	<b>3933™</b>	32040*	1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate	3,250	-65°F to 300°F (-54°C to 149°C)	●
	<b>3936™</b>	32304 32037*	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate	10,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>3941™</b>	36437 36476	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, thermoset plastic	480	-65°F to 300°F (-54°C to 149°C)	●
	<b>3942™</b>	36483 36481	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, thermoset plastic	1,200	-65°F to 300°F (-54°C to 149°C)	●
	<b>3943™</b>	36480 36478	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Glass, metal, thermoplastic, thermoset plastic	6,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>3944™</b>	38210 38212	25 ml syringe 1 liter bottle	Fluorescent/Pale Yellow	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate, polyvinylchloride	5,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>3971™</b>	36792 36805	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Metal, thermoplastic, polyvinylchloride, polyurethane	320	-65°F to 300°F (-54°C to 149°C)	●
	<b>3972™</b>	36294 36295	25 ml syringe 1 liter bottle	Transparent to Hazy/Fluorescent	Ultraviolet, visible	Metal, thermoplastic, polyvinylchloride, polyurethane	4,500	-65°F to 300°F (-54°C to 149°C)	●
	<b>3974™</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span>	1135733 1135732	25 ml syringe 1 liter bottle	Translucent/Colorless	Ultraviolet, visible	Thermoplastic, thermoset plastic, glass, metal, ceramic	2,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>3979™</b> <span style="background-color: red; color: white; padding: 2px;">NEW</span>	1402562 1402563	25 ml syringe 300 ml cartridge	Translucent/Straw	Ultraviolet, visible	Polycarbonate, polyvinylchloride	142,080	-65°F to 300°F (-54°C to 149°C)	●
ACRYLIC UV/VISIBLE WITHOUT FLUORESCENCE	<b>3201™</b>	19727 19728	25 ml syringe 1 liter bottle	Clear/Pale Straw	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate	4,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>3211™</b>	19730 19731*	25 ml syringe 1 liter bottle	Clear/Pale Straw	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate	10,000 Thixotropic	-65°F to 300°F (-54°C to 149°C)	●
	<b>3301™</b>	19733 19734	25 ml syringe 1 liter bottle	Clear/Pale Straw	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate, polyvinylchloride	150	-65°F to 300°F (-54°C to 149°C)	●
	<b>3311™</b>	19736 19737	25 ml syringe 1 liter bottle	Clear/Pale Straw	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate, polyvinylchloride	300	-65°F to 300°F (-54°C to 149°C)	●
	<b>3321™</b>	19739 19740	25 ml syringe 1 liter bottle	Clear/Pale Straw	Ultraviolet, visible	Glass, metal, thermoplastic, polycarbonate, polyvinylchloride	5,000	-65°F to 300°F (-54°C to 149°C)	●

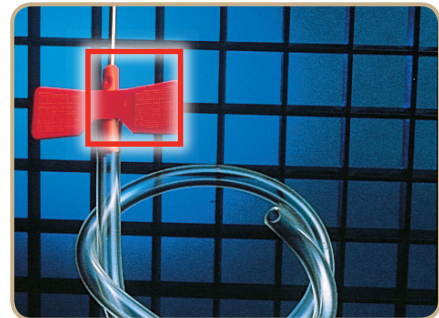
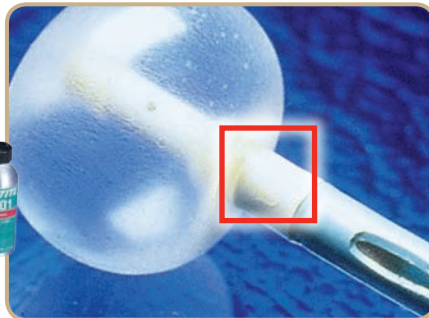
ITEMS IN RED = Source's PICK

\* Made-to-order item.

Your Source for **MEDICAL APPLICATION SOLUTIONS**  
**CYANOACRYLATES, ACCELERATORS & PRIMERS**



**Sources REVEALED**



**Cyanoacrylates, Accelerators & Primers**

**[ Cyanoacrylates ]**

**Source's PICK** **Loctite® 431™ Prism® Instant Adhesive**

A high viscosity, instant adhesive ideally suited for dry environments, as well as for bonding acidic and porous surfaces.

Item #	41254	3 g tube
	41255	20 g bottle
	41256	1 lb. bottle

**Loctite® 435™ Prism® Instant Adhesive**

**SURFACE INSENSITIVE/TOUGHENED**

The first true clear, surface insensitive, elastomer-modified instant adhesive. Faster fixture times over traditional toughened adhesives with exceptional bond and peel strength on metals, plastics and rubbers.

Item #	41005	3 g tube
	40994	20 g bottle
	40995	1 lb. bottle

**Source's PICK** **Loctite® 4011™ Prism® Medical Device Instant Adhesive**

A low viscosity, instant adhesive ideally suited for dry environments, as well as for bonding acidic surfaces.

Item #	18680	20 g bottle
	18681	1 lb. bottle

**Source's PICK** **Loctite® 4541™ Prism® Instant Adhesive**

**GEL**

Designed for the assembly of difficult-to-bond materials that require uniform stress distribution. Particularly suited for bonding porous or absorbent materials. Also formulated for faster cure speeds on dry or acidic surfaces and substrates.

Item #	21920	10 g syringe
	18690	20 g tube
	18691	200 g tube

**Loctite® 4851™/4861™ Prism® Instant Adhesives**

**FLEXIBLE**

Medium and high viscosity instant adhesives for the assembly of flexible components.

Item #	4851™	37732	20 g bottle
	4851™	37733	1 lb. bottle
	4861™	37708	20 g bottle
	4861™	37711	1 lb. bottle

**[ Light Cure Cyanoacrylates ]**

**Source's PICK** **Loctite® 4306™ Flashcure® Light Cure Adhesives**

Wicking grade fluorescent adhesive that achieves tack-free cure in less than 5 seconds. Surface versatile with shadow cure capability.

Item #	4306™	37439	1 oz. bottle
	4306™	37442	1 lb. bottle

**Source's PICK** **Loctite® 4310™/4311™ Flashcure® Light Cure Adhesives** **NEW**

Low or high viscosity toughened fluorescent adhesives that achieve tack-free cures in less than 5 seconds. Surface versatile with shadow cure capability.

Item #	4310™	1401792	1 oz. bottle
	4310™	1401790	1 lb. bottle
	4311™	1401791	1 oz. bottle
	4311™	1401789	1 lb. bottle

**[ Primers ]**

**Source's PICK** **Loctite® 7701™ Prism® Medical Device Primer**

An adhesion promoter formulated for use with polyolefins and other low surface energy plastic materials. Use with Loctite® cyanoacrylate adhesives. Fast dry time and long on-part life.

Item #	19886	1.75 fl. oz. bottle
	19887	16 fl. oz. can

[ Loctite® Medical Device Cyanoacrylates, Accelerators & Primers Properties Chart ]

LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	APPEARANCE/ CLARITY/COLOR	CURE TYPE	KEY SUBSTRATES	VISCOSITY (CP) BROOKFIELD (25°C)	TEMPERATURE RANGE	ISO 10993 COMPLIANT	
CYANOACRYLATES	<b>431™ PRISM® (SI)</b>	41254 41255 41256	3 g tube 20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	1,000	-65°F to 180°F (-54°C to 82°C)	●
	<b>435™ PRISM® (T)</b>	41005 40994 40995	3 g tube 20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	200	-65°F to 240°F (-54°C to 116°C)	●
	<b>4011™ PRISM® (SI)</b>	18680 18681	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	100	-65°F to 180°F (-54°C to 82°C)	●
	<b>4013™ PRISM® (GP)</b>	20268 18013	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal	500	-65°F to 180°F (-54°C to 82°C)	●
	<b>4014™ PRISM® (GP)</b>	20269 18014	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal	3	-65°F to 220°F (-54°C to 104°C)	●
	<b>4031™ PRISM® (LO)</b>	18682 18683	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal	1,300	-65°F to 160°F (-54°C to 71°C)	●
	<b>4061™ PRISM® (SI)</b>	18686 18687	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	20	-65°F to 180°F (-54°C to 82°C)	●
	<b>4081™ PRISM® (LO)</b>	18688 18689	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal	5	-65°F to 160°F (-54°C to 71°C)	●
	<b>4161™ SUPER BONDER® (GP)</b>	19743 19744	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal	1,500	-65°F to 180°F (-54°C to 82°C)	●
	<b>4206™ PRISM® (TR)</b>	28628 28629*	20 g tube 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	375	-65°F to 250°F (-54°C to 121°C)	●
	<b>4541™ PRISM® (SI)</b>	18690 18691 21920	20 g tube 200 g tube 10 g syringe	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	Gel	-65°F to 180°F (-54°C to 82°C)	●
	<b>4601™ PRISM® (LO)</b>	18692 18693	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal	50	-65°F to 160°F (-54°C to 71°C)	●
	<b>4851™ PRISM® (FL)</b>	37732 37733	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	400	-65°F to 125°F (-54°C to 52°C)	●
	<b>4861™ PRISM® (FL)</b>	37708 37711	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	4,000	-65°F to 125°F (-54°C to 52°C)	●
	<b>4981™ SUPER BONDER® (TR)</b>	18694 18695	20 g bottle 1 lb. bottle	Clear	Humidity	Thermoplastic, thermoset plastic, metal, elastomer, including rubber	500	-65°F to 220°F (-54°C to 104°C)	●
LIGHT CURE CYANOACRYLATES	<b>4306™ FLASHCURE®</b>	37439 37442	1 oz. bottle 1 lb. bottle	Clear/ Pale Green	Ultraviolet, visible, humidity	Thermoplastic, polycarbonate, elastomer, metal	20	-65°F to 180°F (-54°C to 82°C)	●
	<b>4310™ FLASHCURE®</b> <b>NEW</b>	1401792 1401790	1 oz. bottle 1 lb. bottle	Clear/ Pale Green	Ultraviolet, visible, humidity	Thermoplastic, polycarbonate, elastomer, metal	150	-65°F to 240°F (-54°C to 116°C)	●
	<b>4311™ FLASHCURE®</b> <b>NEW</b>	1401791 1401789	1 oz. bottle 1 lb. bottle	Clear/ Pale Green	Ultraviolet, visible, humidity	Thermoplastic, polycarbonate, elastomer, metal	900	-65°F to 240°F (-54°C to 116°C)	●
ACCELERATOR & PRIMERS	<b>713™ PRISM® ACCELERATOR</b>	19889	1.75 fl. oz. bottle	Clear	N/A	Isopropanol-based accelerator for cyanoacrylates	1	N/A	●
	<b>7451™ PRISM® ACCELERATOR</b>	19890	1.75 fl. oz. bottle	Clear	N/A	Acetone-based accelerator for cyanoacrylates	1	N/A	●
	<b>7701™ PRISM® PRIMER</b>	19886 19887	1.75 fl. oz. bottle 16 fl. oz. can	Clear	N/A	Heptane-based adhesion promoter for low energy surface plastics	3	N/A	●

ITEMS IN RED = Source's PICK

(SI) – Surface Insensitive  
(GP) – General Purpose

(LO) – Low Odor/Low Bloom  
(FL) – Flexible

(TR) – Thermally Resistant  
(T) – Toughened

\* Made-to-order item.

Your Source for **MEDICAL APPLICATION SOLUTIONS**  
**EPOXIES, SILICONES & URETHANES**



[ Epoxies ]

Source's PICK

**Loctite® 3981™/3982™/3984™  
Hysol® Epoxy Adhesives**

**HIGH PERFORMANCE/  
VARIOUS SUBSTRATES**

Highly fluorescent, one-part, heat cure epoxy adhesives offering superior physical, environmental and performance properties.

Item #	3981™	36766	30 ml syringe
	3981™	37297	1 liter bottle
	3982™	36767	30 ml syringe
	3982™	37298	1 liter bottle
	3984™	36768	30 ml syringe
	3984™	37299*	1 liter bottle

**Loctite® M-21HP™ Hysol®  
Medical Device Epoxy Adhesive**

An off-white, toughened epoxy that provides high peel resistance and high shear strength on a wide variety of plastics and metals.

Item #	30671	50 ml dual cartridge
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Source's PICK

**Loctite® M-31CL™ Hysol®  
Medical Device Epoxy Adhesive**

A low viscosity epoxy that bonds glass, ceramic, metal and many rigid plastics. Ideal for applications where optical clarity and excellent structural and mechanical properties are required.

Item #	30673	50 ml dual cartridge
	30674*	200 ml dual cartridge

**Loctite® M-121HP™ Hysol®  
Medical Device Epoxy Adhesive**

A high viscosity, non-sag epoxy for applications that require high impact resistance and high peel strength. Bonds dissimilar materials including aluminum, steel and other metals, as well as a variety of plastics and ceramics.

Item #	30680	50 ml dual cartridge
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[ Silicone Adhesives/Sealants ]

**Loctite® 5055™ Silicone  
Adhesive Sealant**

**SELF-LEVELING/FLOWABLE**

**NEW**

A UV or visible light curing, noncorrosive silicone for high speed coating, potting adhesion or sealing applications. High adhesion for difficult-to-bond substrates.

Item #	1212167	25 ml syringe
	1214246	1 liter bottle
	1214247	15 liter pail*

**Loctite® 5056™ Silicone  
Adhesive Sealant**

**SELF-LEVELING/HIGH ADHESION**

**NEW**

A UV or visible light curing, noncorrosive silicone with very high bond strength. Ideal for high speed adhesion and sealing applications. High adhesion for difficult-to-bond substrates.

Item #	1214249	25 ml syringe
	1214250	1 liter bottle
	1214248	15 liter pail*

Source's PICK

**Loctite® 5240™ Nuva-Sil®  
Medical Device Sealant**

A self-leveling, UV or visible light silicone that also features a secondary moisture cure. Makes transparent, white-tinted seals or bonds.

Item #	1010341	25 ml syringe
	1010320	300 ml cartridge
	1010343	40 lb. pail*

[ Urethane ]

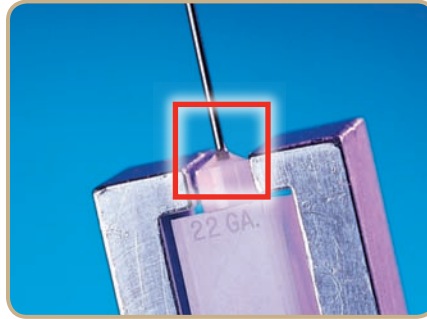
**Loctite® M-11FL™ Hysol®  
Medical Device Urethane Adhesive**

A low viscosity urethane that bonds polycarbonate and a variety of other plastics, glass and metal. When fully set, product forms an ultra-clear bond line and provides excellent peel strength.

Item #	30678	50 ml dual cartridge
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\* Made-to-order item.

Sources REVEALED



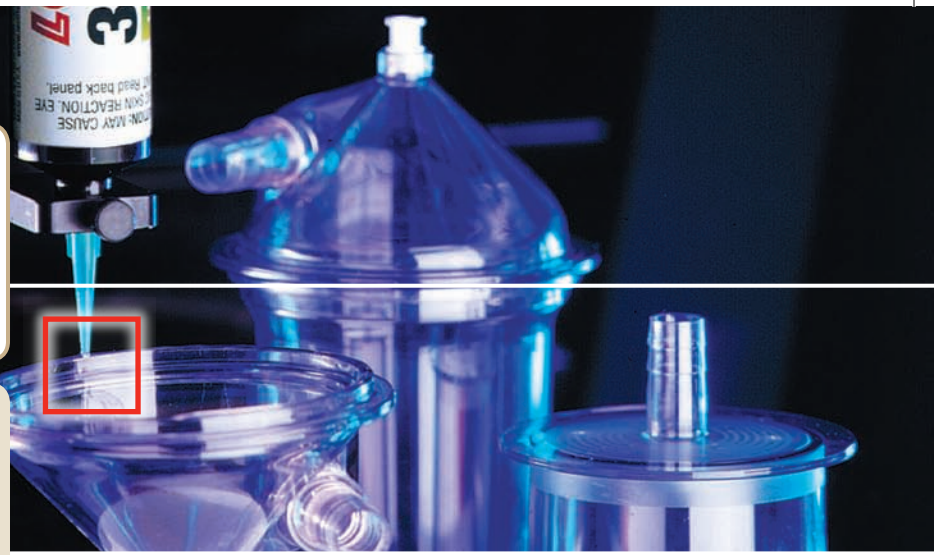
[ Loctite® Epoxies, Silicones & Urethanes Properties Chart ]

	LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	APPEARANCE/ CLARITY/COLOR	CURE TYPE	KEY SUBSTRATES	VISCOSITY (cP) BROOKFIELD (25°C)	TEMPERATURE RANGE	ISO 10993 COMPLIANT
EPOXIES	<b>3981™ HYSOL®</b>	36766 37297	30 ml syringe 1 liter bottle	Transparent Yellow	Heat cure	Thermoset plastic, metal, glass, ceramic	5,300	-65°F to 300°F (-54°C to 149°C)	●
	<b>3982™ HYSOL®</b>	36767 37298	30 ml syringe 1 liter bottle	Off-White	Heat cure	Thermoset plastic, metal, glass, ceramic	8,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>3984™ HYSOL®</b>	36768 37299*	30 ml syringe 1 liter bottle	Light Grey	Heat cure	Thermoset plastic, metal, glass, ceramic	25,500	-65°F to 300°F (-54°C to 149°C)	●
	<b>M-21HP™ HYSOL®</b>	30671	50 ml dual cartridge	Off-White	Room temperature	Thermoplastic, thermoset plastic, elastomer, metal, glass, ceramic	37,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>M-31CL™ HYSOL®</b>	30673 30674*	50 ml dual cartridge 200 ml dual cartridge	Ultra-Clear	Room temperature	Thermoplastic, thermoset plastic, polycarbonate, metal, glass, ceramic	6,000	-65°F to 300°F (-54°C to 149°C)	●
	<b>M-121HP™ HYSOL®</b>	30680	50 ml dual cartridge	Amber	Room temperature	Thermoplastic, polycarbonate, polyvinylchloride, metal, glass, ceramic	11,000	-65°F to 300°F (-54°C to 149°C)	●
SILICONE ADHESIVE/SEALANTS	<b>5240™ NUVA-SIL®</b>	1010341 1010320 1010343*	30 ml syringe 300 ml cartridge 40 lb. pail	Translucent/White	UV/visible, humidity	Silicone, metal, glass, plastic	18,000	-65°F to 200°F (-54°C to 93°C)	●
	<b>5055™</b> <small>NEW</small>	1212167 1214246 1214247*	25 ml syringe 1 liter bottle 15 liter pail	Light Yellow/ Transparent	UV/visible	Silicone, metal, glass, plastic	525	-65°F to 200°F (-54°C to 93°C)	●
	<b>5056™</b> <small>NEW</small>	1214249 1214250 1214248*	25 ml syringe 1 liter bottle 15 liter pail	Light Yellow/ Transparent	UV/visible	Silicone, metal, glass, plastic	2,200	-65°F to 200°F (-54°C to 93°C)	●
URETHANE	<b>M-11FL™ HYSOL®</b>	30678	50 ml dual cartridge	Ultra-Clear	Room temperature	Thermoplastic, thermoset plastic, polycarbonate, elastomer, metal, glass, ceramic	3,800	-65°F to 250°F (-54°C to 121°C)	●

ITEMS IN RED = Source's PICK






\* Made-to-order item.





Your Source for MEDICAL APPLICATION SOLUTIONS  
**MEDICAL CURING EQUIPMENT**






**YOUR EQUIPMENT Source**

For more details, see the **Loctite® Equipment Sourcebook, LT-3669**, or visit us on the web for additional information, diagrams, products and our full line of equipment at [www.equipment.loctite.com](http://www.equipment.loctite.com).

	LOCTITE® PRODUCT	ITEM NUMBER	LAMP TYPE	
LIGHT CURE UV BULB SYSTEMS	ENCLOSED CHAMBER & FLOOD SYSTEMS			
		UVALOC 1000 UV CURE CHAMBER	805741	1,000 watt Mercury Vapor
		ZETA® 7401 UV CHAMBER	98039	400 watt Metal Halide
		ZETA® 7411-S UV FLOOD SYSTEM	98413	400 watt Metal Halide
		FOCUSED UV FLOOD CURING SYSTEM	1113131	400 watt Metal Halide
		ZETA® INDIGO® 7418 VISIBLE FLOOD SYSTEM	971031	400 watt Visible Arc Lamp

	LOCTITE® PRODUCT	ITEM NUMBER	LAMP TYPE	
LIGHT CURE FLOOD SYSTEMS	CURE CONVEYORS			
		ZETA® 7415 UV BENCHTOP CONVEYOR	98003	300 W/in Electrodeless (sold separately)
		UV BENCHTOP CONVEYOR	1241543	1,800 watt Medium Pressure Mercury Arc Lamp
	LIGHT SOURCES			
	ELECTRODELESS LAMP ASSEMBLY AND POWER SUPPLY	98004 (208/240 VAC)	300 W/in Electrodeless	
	HIGH INTENSITY ULTRAVIOLET SOURCES	980160	1,500 watt Medium Pressure Mercury Arc Lamp	

	LOCTITE® PRODUCT	ITEM NUMBER	MEASUREMENT RANGE	
LIGHT METER SYSTEMS	LIGHT METERS			
		UV-BA DOSIMETER-RADIOMETER	1390323	320 to 400 nm
		UV-V DOSIMETER-RADIOMETER	1265282	390 to 600 nm
	UV SPOT-7020 RADIOMETER	1406024	280 to 400 nm/3, 5, and 8 mm light guides	

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**STRAIGHT FROM The Source**



**WEAR EYE PROTECTION**

For proper eye protection, use Loctite® brand ultraviolet safety glasses.



Item No. 97210

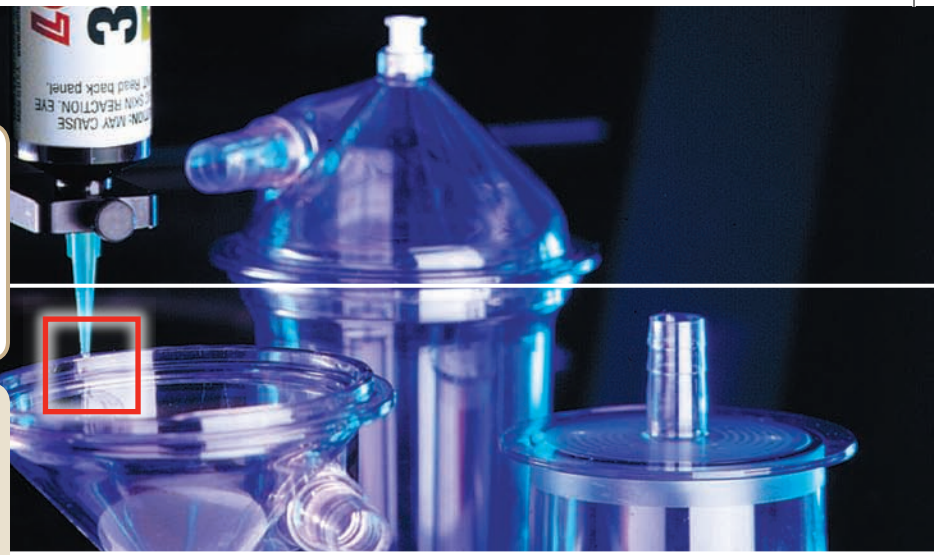
Item No. 98452

ADDITIONAL RESOURCES






LOCTITE® PRODUCT		ITEM NUMBER	LAMP TYPE	OPTIONS/ACCESSORIES
<b>LED CURING DEVICES</b>				
	7700 LED LIGHT SOURCE II	1427231	LED – 395 nm	OPTIONAL: • Timer - 98443; • Foot Switch - 98440; • Holder - 98522; • Dosimeter - 98089; • Dosimeter Adapter - 98453
	7703 LED LIGHT SOURCE	98595	LED – Proprietary Wavelength	
	7700-HD LED LIGHT SOURCE II	1427232	LED – 395 nm	ONE OF THE FOLLOWING IS REQUIRED: • Timer - 960356; • PLC Cable - 8900550; • Foot Switch - 97201; • Pistol Grip Timer - 1003327
	7703-HD LED LIGHT SOURCE	883979	LED – Proprietary Wavelength	
	LED FLOOD ARRAY – 375	1167582	LED – 375 nm	Used with 1359255 in conjunction with cable 1333333
	LED FLOOD ARRAY – INDIGO®	1167589	LED – Proprietary Wavelength	Used with 1359255 in conjunction with cable 1333333
	LED FLOOD ARRAY – 405	1167593	LED – 405 nm	Used with 1359255 in conjunction with cable 1333333
	LED FLOOD CONTROLLER	1359255	N/A	Used with all LED Flood Arrays
<b>LIGHT CURE SYSTEMS</b>				
	CUREJET™ 375 LED	1369539	LED – 375 nm	Used with 1364033 or 1180632
	CUREJET™ 405 LED	1369538	LED – 405 nm	Used with 1364033 or 1180632
	CUREJET™ INDIGO® LED	1369537	LED – Proprietary Wavelength	Used with 1364033 or 1180632
	SINGLE CUREJET™ CONTROLLER	1364033	N/A	Used with all CUREJET™ LEDs
	CUREJET™ QUAD CONTROLLER	1180632	N/A	Used with all CUREJET™ LEDs
	UV LED CURE WAND SYSTEM	1076999	LED – 365 nm	N/A
<b>WAND SYSTEMS</b>				
	INDIGO® 7720 VISIBLE LIGHT WAND SYSTEM	98633	100 watt Metal Halide	REQUIRED: Light Guide – 98634
	LOCTITE® 100W WAND SYSTEM	1377200	100 watt High Pressure Mercury Arc	ONE OF THE FOLLOWING IS REQUIRED: • Light Guide 5 mm x 1,000 mm – 986377; • Light Guide 5 mm x 1,500 mm – 951681; • For other Light Guide options, visit www.equipment.loctite.com
	ZETA® 7760 UV WAND SYSTEM	98450 958239 (Bulb Life Monitoring)	200 watt High Pressure Mercury Arc	OPTIONAL: • Monitor – 891494 • Used only with 958216, 958228, 958239






*Your Source for* **MEDICAL APPLICATION SOLUTIONS**  
**MEDICAL DISPENSING EQUIPMENT**





**YOUR EQUIPMENT Source**

For more details, see the **Loctite® Equipment Sourcebook, LT-3669**, or visit us on the web for additional information, diagrams, products and our full line of equipment at [www.equipment.loctite.com](http://www.equipment.loctite.com).






LOCTITE® PRODUCT		ITEM NUMBER	TYPE	VISCOSITY RANGE	DISPENSE PATTERNS	USED TO DISPENSE	STROKE ADJUSTMENT	SUCK-BACK	CONSUMABLES – DISPENSE ACCESSORIES		
<b>HIGH PRECISION VALVES</b>											
<b>VALVES AND PUMPS</b>	 <b>MICRO NEEDLE VALVE</b>	98084	High Precision	Low to Medium	Drop, Dot, Bead, Microdot	Light Cure/Acrylics	Yes	No	Dispense Tips and Accessories – Pages 184-188		
	<b>HIGH PERFORMANCE DIAPHRAGM VALVES</b>										
	 <b>LIGHT CURE DISPENSE VALVE</b>	98009	High Performance Diaphragm	Low to Medium	Drop, Dot, Bead	Instant Adhesives	Yes	No			
 <b>CYANOACRYLATE DISPENSE VALVE</b>	98013	High Performance Diaphragm	Low to Medium	Drop, Dot, Bead, Microdot	Instant Adhesives	Yes	No				

LOCTITE® PRODUCT		ITEM NUMBER	TYPE	VISCOSITY RANGE	DISPENSE PATTERNS	USED TO DISPENSE	STROKE ADJUSTMENT	ACTUATION	CONSUMABLES – DISPENSE ACCESSORIES		
<b>GENERAL-PURPOSE APPLICATORS</b>											
<b>HANDHELD VALVES</b>	 <b>LV HAND-HELD APPLICATOR</b>	97130	Pneumatic	Low	Drop, Dot, Bead	Instant Adhesives	Yes	Foot	Dispense Tips and Accessories – Pages 184-188		
	<b>GENERAL-PURPOSE APPLICATORS</b>										
	 <b>MANUAL HAND-HELD APPLICATOR</b>	97111	Manual	Low to Medium	Drop, Dot, Bead	Light Cure/Acrylics	Yes	Finger			
	 <b>PNEUMATIC HAND-HELD APPLICATOR</b>	97112	Pneumatic	Low to Medium	Drop, Dot, Bead	Light Cure/Acrylics	Yes	Foot			
 <b>PNEUMATIC HAND-HELD APPLICATOR</b>	97116	Pneumatic	Low to Medium	Drop, Dot, Bead	Light Cure/Acrylics	Yes	Finger				
<b>GENERAL-PURPOSE APPLICATORS</b>											
 <b>VARI-DROP™ APPLICATORS</b>	97131	Pinch Tube	Low to Medium	Drop, Dot, Bead	Instant Adhesives	Yes	Finger	Dispense Tips and Accessories – Pages 184-188			
	97132										



LOCTITE® PRODUCT		ITEM NUMBER	USED TO DISPENSE	PACKAGE TYPE & SIZES	MIX RATIOS	VISCOSITY RANGE	TYPE	CONSUMABLES – DISPENSE ACCESSORIES
<b>SYRINGE DISPENSING</b>								
<b>HANDHELD APPLICATORS</b>	 <b>30 ML MANUAL SYRINGE APPLICATOR</b>	98026	Any fluid in 30 ml syringe including 25 ml syringes	30 ml syringe	N/A	Low to High	Manual	Dispense Tips and Accessories – Pages 184-188 Syringe Accessories – Pages 186
	<b>TWO-PART DISPENSING</b>							
 <b>50 ML DUAL CARTRIDGE PNEUMATIC APPLICATOR</b>	97042	Two-Component Epoxies, Urethanes	50 ml dual cartridge	1:1, 2:1, 10:1	Low to High	Pneumatic		

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**STRAIGHT FROM *The Source***

LOCTITE® PRODUCT		ITEM NUMBER	DISPENSE PATTERNS	USED TO DISPENSE	PACKAGE TYPES & SIZES	VISCOSITY RANGE	VACUUM SUCK-BACK	CONSUMABLES – DISPENSE ACCESSORIES	
DISPENSE SYSTEMS	<b>VOLUMETRIC BOTTLE DISPENSING</b>								
		BENCHTOP PERISTALTIC DISPENSER	98548	Dot, Drop, Bead	Instant Adhesives, Light Cure/Acrylics	Any	0 to 5,000 cP	N/A	Dispense Tips and Accessories – Pages 184-188
	<b>COMPLETE PRESSURE-TIME BOTTLE DISPENSE SYSTEM</b>								
		BOND-A-MATIC® 3000 DISPENSER 0-15 psi	982719	Dot, Drop, Bead	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics	200 ml bottle 1 lb. bottle 1 liter bottle 2 kg bottle 200 g squeeze tube	Low	N/A	Dispense Tips and Accessories – Pages 184-188
		BOND-A-MATIC® 3000 DISPENSER 0-100 psi	982722						
	<b>SYRINGE DISPENSING SYSTEMS</b>								
		POSI-LINK™ DISPENSING SYSTEM	See Page 183	Dot, Drop, Bead	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics, Epoxies	Prepackaged 5 ml syringe 10 ml syringe 25 ml syringe	Low to Paste	Yes	Dispense Tips and Accessories – Pages 186-187
		PRECISION SYRINGE DISPENSING SYSTEM	97006*	Dot, Drop, Bead	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics	3 ml syringe 5 ml syringe 10 ml syringe 30 ml syringe 55 ml syringe	Low to Paste	Yes	Syringe Accessories – Page 186
		DIGITAL SYRINGE DISPENSING SYSTEM	883976					Yes	
	<b>TUBE BONDING</b>								
	LIGHT CURE ACRYLIC ADHESIVE DISPENSING SYSTEM	98445	Beads on tubing OD	Light Cure/Acrylics	2.0 mm to 6.0 mm ID tubing	Low	N/A		

\* Syringe Airline Adapter sold separately. Visit [www.equipment.loctite.com](http://www.equipment.loctite.com) for all available accessories.

LOCTITE® PRODUCT		ITEM NUMBER	PRESSURE REGULATION	USED TO DISPENSE	PACKAGE TYPES & SIZES	VISCOSITY RANGE	LOW LEVEL SENSING	FOR MORE INFORMATION		
CONTROLLERS & RESERVOIRS	<b>INTEGRATED RESERVOIR CONTROLLERS</b>									
		INTEGRATED SEMI-AUTOMATIC DISPENSER	1390322	0 to 15 psi	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics	250 ml bottle 1 lb. bottle 1 liter bottle 2 kg bottle 200 g squeeze tube	Low to Medium	Yes	Dispense Tips and Accessories – Pages 184-188	
			1390321	0 to 100 psi				Medium to High		Yes
	<b>RESERVOIRS</b>									
		BOND-A-MATIC® 3000 RESERVOIR	982720	0 to 15 psi	Gel Adhesives, Instant Adhesives, Light Cure/Acrylics	250 ml bottle 1 lb. bottle 1 liter bottle 2 kg bottle 200 g squeeze tube	Low to Medium	Yes	Dispense Tips and Accessories – Pages 184-188	
			982726					No		
			982723	0 to 100 psi				Medium to High		Yes
			982727					No		