

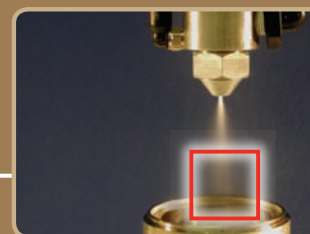
Your Source for EQUIPMENT

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Since 1971, Henkel Corporation has designed, built and integrated high-quality equipment solutions. From simple handheld devices to fully automated systems, Henkel offers a complete line of standard off-the-shelf Loctite® brand dispensing and light curing equipment, which can be integrated easily into your manufacturing process.

AS A FULL SERVICE SUPPLIER OF EQUIPMENT, HENKEL OFFERS A WIDE VARIETY OF EQUIPMENT SERVICES TO ITS CUSTOMERS



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.

FACTORY REPAIRS

If you have equipment in need of repair, Henkel can restore it to original operating specification. Customers often schedule preventive repairs to coincide with annual shutdowns. Henkel can work with you to get your equipment up and running in the fastest possible time frame. Rental equipment may be available on a short-term basis to minimize downtime.

Benefits of factory repair service include:

- Trained technicians evaluate equipment based on original design specifications to identify critical and preventive repair recommendations
- Equipment is repaired using original factory parts
- All equipment is fully tested to original quality specifications
- All repairs carry a 30-day labor and 90-day parts warranty

CALIBRATIONS

Henkel provides calibration services for all of its light meters. All meters are calibrated to original calibration standards. Data is collected before and after calibration, and a calibration certificate is issued that states the test results. In addition, you can sign up with Henkel for calibration reminders. Also, all units are inspected during calibration for any potential needed repairs.

FIELD SERVICE

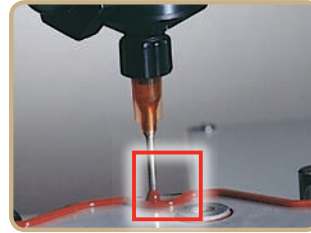
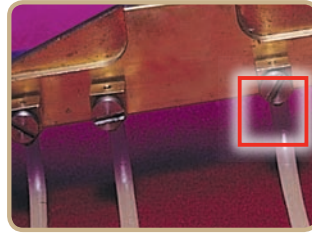
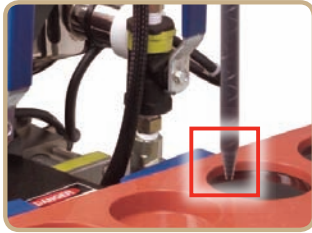
Henkel technicians are available to travel to your location for repair services, preventive maintenance, training or assistance in setting up a new system. Whatever you need, Henkel can provide the service.

SPARE PARTS

Spare parts and accessories are available through the equipment services group of Henkel. Most common spare parts can be identified on our website at www.equipment.loctite.com. If you cannot find the part you are looking for, our equipment services group can help you identify that part and provide you with a quote.

REBUILD EXCHANGE PROGRAM

The Henkel rebuild exchange program offers customers a cost-effective way of streamlining the repair of dispensing valves. The rebuild program allows customers to send in an old valve and receive a reconditioned valve in return. Customers who participate in this program typically keep a spare valve in inventory, so if a valve goes down, it can be replaced immediately. The valve in need of repair is then sent to Henkel and a reconditioned valve is shipped back to the customer for future use.



Advantages of the rebuild exchange program are:

- Rebuilt equipment is less than half the cost of a new unit.
- Rebuilt equipment is shipped in one to two business days.
- Highly trained technicians use original factory parts.
- All equipment is specially treated with a Henkel patented technology to prolong its useful life with reactive adhesives.
- All rebuilds carry a 30-day labor and 90-day parts warranty.

DISCOUNT EQUIPMENT

Henkel is able to offer a wide range of used or discontinued equipment at discounted prices. This equipment typically has been used in our rental program or has been used for customer demonstrations or trade shows. This equipment may have cosmetic blemishes but performs to original factory specification. All equipment carries the same warranty as new equipment, and is fully tested and reconditioned prior to sale.

EQUIPMENT RENTAL

Many of the equipment products that Henkel offers are available for short-term rental. Henkel's equipment rental program allows customers the flexibility to confirm the performance of our adhesive and equipment risk-free before investing in a purchase. If, during the first 30 days, you decide that you would like to purchase the rental equipment, the entire rental charge is credited toward your purchase.

The benefits of this program include:

- The performance of a new manufacturing process can be confirmed before investing fully in the purchase of equipment.
- Short production runs can be accommodated without having to buy equipment.
- Equipment can be rented during the repair of production equipment, minimizing any downtime.

LEASE-TO-OWN PROGRAM

Henkel offers a lease-to-own program for new equipment. According to the United States Equipment Lessors Association, 80% of all companies use leasing to acquire some or all of the machinery and equipment they use to run their businesses. Henkel's lease-to-own program provides an effective way for your business to acquire almost any Henkel equipment. Leases can be customized to each company's needs. Our program can also include other services and spare parts as part of the equipment lease. Let us customize a lease program to meet your needs.

PREVENTIVE MAINTENANCE CONTRACTS

There are many misconceptions about preventive maintenance. One such misconception is that preventive maintenance is unduly costly. This may be true for some components, but not all. Without preventive maintenance, costs for lost production time from unscheduled equipment breakdown will be incurred. Also, preventive maintenance will result in savings due to an increase in effective system service life.

Long-term benefits of preventive maintenance include:

- Improved system reliability
- Decreased cost of replacement
- Decreased downtime
- Better spare part inventory management

Henkel can create a preventive maintenance contract that fits your specific equipment and work with your maintenance staff to ensure maximum uptime of your equipment.

REQUEST EQUIPMENT SERVICES

To learn more about the services Henkel offers, you can visit our website at www.equipment.loctite.com/service. In addition to our services, the website offers manuals and technical information on Loctite® equipment products.

By Internet

To request a quote or get more information, email your request to equipment-customerservice@loctite.com.

By Telephone

If you wish to speak to us regarding an equipment service, you can call 860-571-5174 to speak to an equipment services representative.

If you have a question regarding equipment setup or operation, our technical information staff is available to help. To contact a staff member, call 1-800-LOCTITE (562-8483) and choose the technical service option.

LOCTITE® EQUIPMENT WEBSITE

To better support our wide array of equipment services, our equipment website provides easy access to all service options and inquiries for all Loctite® equipment you may be interested in. Technical literature, equipment showroom locator, operational videos, and much more are all at your fingertips for quick and easy access. You can also choose to purchase directly online using a major credit card. Select from our wide array of adhesive dispensing and light curing equipment. Shipping time for most items is just one to two business days.

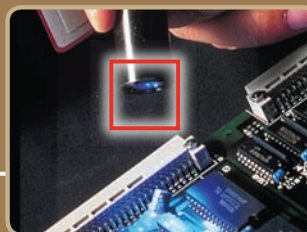
YOUR EQUIPMENT *Source*

www.equipment.loctite.com

Your Source for 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.



CROSS REFERENCE

We have provided you the **item numbers, name, and page numbers** for each piece of equipment listed on this page for **easy cross reference** to the adhesive sections found in this sourcebook.

HELPFUL HINTS

HENKEL OFFERS A WIDE VARIETY OF LOCTITE® EQUIPMENT & ACCESSORIES TO ITS CUSTOMERS

Below is an overview of the different types of Loctite® equipment and accessories that Henkel has to offer. For more details, you can find the items in the corresponding adhesives section, check out 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.

[Controllers and Reservoirs]

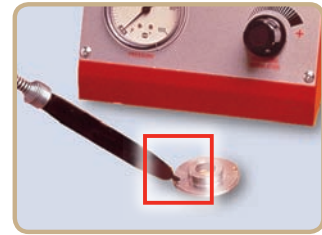
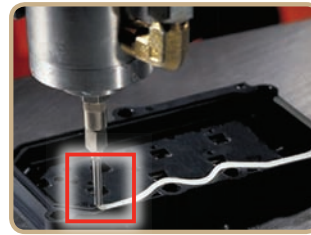
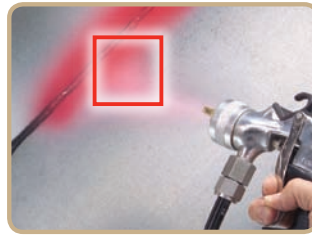
Loctite® brand controllers and reservoirs can be used as the chief components, along with a selection of Loctite® brand parts and accessories or with your own parts, to create a complete custom dispensing system designed to meet your specific needs and manufacturing goals. Selection of a Loctite® brand controller and reservoir is based on the adhesive or fluid being used, the package or container the adhesive or fluid is supplied in, and the overall requirements of the manufacturing process.

Item #	Integrated Reservoir Controllers		For more information, see page no.:
1390322	Integrated Semiautomatic Dispenser – 0 to 15 psi (Low Level Sensing)	12	
1390321	Integrated Semiautomatic Dispenser – 0 to 100 psi (Low Level Sensing)	12	
Reservoirs			
982720	Bond-A-Matic® 3000 Reservoir – 0 to 15 psi (Low Level Sensing – DC)	12	
982726	Bond-A-Matic® 3000 Reservoir – 0 to 15 psi	12	
982723	Bond-A-Matic® 3000 Reservoir – 0 to 100 psi (Low Level Sensing – DC)	12	
982727	Bond-A-Matic® 3000 Reservoir – 0 to 100 psi	12	
98359	2.25 Gallon Pressure Reservoir	12	
98090	Shot Mister™ Reservoir – 1 Liter	12	
982880	4 liter Gravity Feed Reservoir	12	
Multifunction Controllers			
97152	Dual Channel Automatic Controller	11, 27	
1022006	Digital Multifunctional Controller	11, 27	
Single Function Controllers			
97101	Digital Dispense Controller	11, 27	
98079	Shot Miser™ Valve Controller	11, 27	
1406023	Spray Valve Digital Controller	11	

[Light Cure Curing Equipment]

Henkel offers the widest selection of light curing equipment available from any one company on the market today. Our Loctite® brand ensures you have the most innovative and dependable systems for all your light curing adhesive applications. Whether your process calls for a manual, semiautomatic or fully integrated automatic solution, you will find the Loctite® brand light curing device to meet your specific requirements. Please see the charts below that summarize our complete line.

Item #	Light Cure Point Systems – LED Curing Devices		For more information, see page no.:
1427231	7700 LED Light Source II	26, 170	
98595	7703 LED Light Source	26, 170	
1427232	7700-HD LED Light Source II	26, 170	
883979	7703-HD LED Light Source	26, 170	
1369538	CureJet™ 405 LED	26, 170	
1369537	CureJet™ Indigo® LED	26, 170	
1364033	LED Controller	26, 170	
1076999	UV LED Cure Wand System	26, 170	
1167582	LED Flood Array – 375	26, 170	
1167589	LED Flood Array – Indigo®	26, 170	
1167593	LED Flood Array –	26, 170	
1180632	CureJet™ Quad Controller	26, 170	
1359255	LED Flood Controller	26, 170	
Light Cure Point Systems – Wand Systems			
98633	Indigo® 7720 Visible Light Wand System	26, 170	
1377200	Loctite® 100W Wand System	26, 170	
98450	Zeta® 7760 UV Wand System	26, 170	
Light Cure Flood Systems – Enclosed Chamber & Flood Systems			
805741	UVALOC 1000 UV Cure Chamber	25	
98039	Zeta® 7401 UV Chamber	25	
98413	Zeta® 7411-S UV Flood System	25	
1113131	Focused UV Flood Curing System	25	
971031	Indigo® 7418 Visible Flood System	25	
98060	Zeta® 7420 Visible Light Flood System – 115V	25	
Light Cure Flood Systems – Cure Conveyors			
98003	Zeta® 7415 UV Benchtop Conveyor	25	
1241543	UV Benchtop Conveyor	25	
Light Cure Flood Systems – Light Sources			
98004	Electrodeless Lamp Assembly and Power Supply	25	
980160	High Intensity Ultraviolet Sources	25	
Light Cure Meters			
1265282	UV-V Dosimeter-Radiometer	25	
1390323	UV-BA Dosimeter-Radiometer	25	
1406024	UV Spot-7020 Radiometer	25	



[Handheld Applicators]

Loctite® brand handheld applicators are ergonomically designed for the hand delivery of adhesives and fluids directly from their original package. Whether pneumatic or manual, each item is designed for the simple, clean, handheld dispensing of fluids, and to reduce waste and operator contact over other methods. Selection of a Loctite® brand handheld applicator is based on product type, package configuration and process requirements.

For more information, see page no.:

Item # Bottle Dispensing		
98414	50 ml Hand Pump	133, 157
97001	250 ml Hand Pump	133, 157
98311	1 Liter Collapsible Bottle Holder	49, 133, 157
98345	Soft Squeeze Bottle – 2 fl. oz.	11, 133, 157
98346	Soft Squeeze Bottle – 4 fl. oz.	11, 133, 157
98347	Soft Squeeze Bottle – 8 fl. oz.	11, 133, 157
Syringe Dispensing		
1233800	10 ml Gel CA Syringe Dispenser	
1233798	Replacement Plunger (For standard 0.5 in. diameter syringes)	
98026	30 ml Manual Syringe Applicator	23, 34, 49, 171
98193	30 ml Syringe Manual Plunger, 3 Pack	34, 49
Tube Dispensing		
1083845	50 ml-F Tube Squeeze Dispenser	133, 157
Two-Part Dispensing		
98472	50 ml Dual Cartridge Manual Applicator – 1:1, 2:1	34, 38, 50, 124, 125
1034026	50 ml Dual Cartridge Manual Applicator – 10:1	34, 38, 50
97042	50 ml Dual Cartridge Pneumatic Applicator	34, 38, 50, 171
98466	Caulking Gun Conversion Kit for 50 ml Cartridges	34, 38, 50
98415	Caulking Gun Conversion Kit for 50 ml Cartridges	34, 38, 50
983436	200 ml Dual Cartridge Manual Applicator	23, 34, 38, 50
983438	400 ml Dual Cartridge Manual Applicator	23, 34, 38, 50
985246	400 ml Dual Cartridge Manual Applicator	23, 34, 38, 50
983437	200 ml Dual Cartridge Pneumatic Applicator	23, 34, 38, 50
983439	400 ml Dual Cartridge Pneumatic Applicator	23, 34, 38, 50
985249	400 ml Dual Cartridge Pneumatic Applicator	23, 34, 38, 50
1093940	Heavy Duty Manual Cartridge Applicator – 300 ml	34, 38, 50
1093981	Heavy Duty Manual Cartridge Applicator – 600 ml	71
1372751	Universal Fixmaster® Dispenser	34, 38, 50, 121, 122

* 10 ml Syringe Manual Plunger (Item # 98192) available at www.equipment.loctite.com

[Handheld Valves]

Loctite® brand handheld dispensing valves are used where ergonomic design for hand dispensing of fluids is desired. Designed for use with Loctite® brand controllers and reservoirs, these handheld valves use passive wetted components for universal compatibility with many fluids. Selection of a Loctite® brand handheld valve is based on the desired dispensing controls, the dispense principal of the delivery system and other process requirements.

For more information, see page no.:

Item # Low Viscosity Cyanoacrylate Applicator		
97130	LV Handheld Applicator	11, 134, 158, 171
General-Purpose Applicators		
97111	Manual Handheld Applicator	23, 134, 158, 171
97112	Pneumatic Handheld Applicator – Foot Activated	23, 134, 158, 171
97116	Pneumatic Handheld Applicator – Finger Activated	23, 134, 158, 171
Syringe Dispense Systems		
97131	Vari-Drop™ Applicator – with PTFE tubing	23, 134, 158, 171
97132	Vari-Drop™ Applicator – without PTFE tubing	23, 134, 158, 171

[Dispense Systems]

Loctite® brand dispense systems available from Henkel are designed to offer the total package for fluid delivery. Whether you use a Loctite® brand adhesive product, or any other brand, these complete systems are ready for immediate operation and offer the manufacturing flexibility and reliability you're seeking. Selection of a Loctite® brand complete dispensing system is based on the product being used, package size and process requirements.

For more information, see page no.:

Item # Volumetric Bottle Dispensers		
98548	Benchtop Peristaltic Dispenser	12, 24, 134, 158, 172
Complete Pressure-Time Bottle Dispense Systems		
982719	Bond-A-Matic® 3000 Dispenser – 0-15 psi	12, 24, 134, 158, 172
982722	Bond-A-Matic® 3000 Dispenser – 0-100 psi	12, 24, 134, 158, 172
98079	Shot Miser™ Valve Controller	12, 24, 134, 158
98085	Shot Miser™ Valve Dispense Valve	12, 24, 134, 158
98090	Shot Miser™ Valve Reservoir	12, 24, 134, 158
Pneumatic Cartridge Dispensing		
1294304	Pneumatic Handheld 300 ml Dispenser	12, 24, 28, 49, 80, 82, 90, 92, 115
98022	300 ml Cartridge Pusher	12, 24, 80, 90, 115
98319A	300 ml Pneumatic Cartridge Dispensing Retainer	12, 24, 49, 80, 90, 115
1046901	High Pressure 300 ml Benchtop Cartridge Dispenser	28, 82, 90, 115
Syringe Dispense Systems		
98377	Posi-Link™ Dispensing System (Accessories Required)	181, 182
97006*	Precision Syringe Dispensing System	12, 24, 172
883976	Digital Syringe Dispensing System	12, 24, 172
98049*	Foot Pedal Dispenser	12, 24
98050*	Foot Pedal Dispenser	12, 24
Thread Sealant & Anaerobic Gasketing Delivery Systems		
998400	Dial-A-Seal® Applicator	157
986000	Pump-A-Bead™ II Dispenser	80
Volumetric Bottle Dispensers		
98445	Light Cure Acrylic Adhesive Dispensing System	172

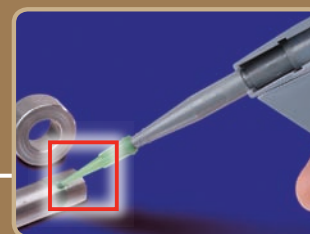
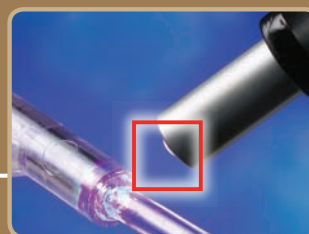
* Syringe Air-Line Adapter sold separately.

LOCTITE® HANDHELD VALVES FLUID COMPATIBILITY CHART	97130	97111	97112	97116	97131/97132
ACCELERATORS	•	•	•	•	•
ACRYLICS		•	•	•	•
ACTIVATORS	•	•	•	•	•
ANAEROBICS	•	•	•	•	•
CYANOACRYLATES	•				•
INKS	•	•	•	•	•
OILS		•	•	•	•
PAINTS		•	•	•	•
PRIMERS	•	•	•	•	•
REAGENTS	•	•	•	•	•
SOLVENTS	•				•
UV & LIGHT CURE FLUIDS		•	•	•	•
UV ANAEROBICS		•	•	•	•
WATER	•				

Your Source for 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.



CROSS-REFERENCE

We have provided you with the **item numbers, name and page numbers** for each piece of equipment listed on this page for **easy cross-reference** to the sections where the equipment can be found.

HELPFUL HINTS

[Valves & Pumps]

Loctite® brand dispensing valves and pumps are value-added, robust, dispensing valves for adhesive or fluid delivery. Each valve is uniquely designed to meet different manufacturing needs. These valves should be combined with a reservoir and/or a controller. Selection of a Loctite® brand valve or pump is based on the chemistry and viscosity of the adhesive or fluid being used and process requirements.

Item #	High Precision Valves		For more information, see page no.:
97113	Stationary Applicator Valve – 1/4 in. Tube	11, 134, 158	
97114	Stationary Applicator Valve – 3/8 in. Tube	11, 134, 158	
98084	Micro Needle Valve	23, 171, 180	
High Performance Diaphragm Valves			
98009	Light Cure Dispense Valve	134, 158, 171	
98013	Cyanoacrylate Dispense Valve	11, 23, 134, 158, 171	
General Duty Diaphragm Valves			
97135	Diaphragm Valve	11, 23, 134, 158	
97136	Diaphragm Valve	11, 23, 134, 158	
Spray Valves			
98520	Spray Valve	141, 177, 180	
High Viscosity Fluid & Paste Valves			
986300	Poppet Valve	80, 134, 158	
1049138	High Pressure Dispense Valve – 50 Bar	28, 82, 90, 115	
1153502	High Pressure Dispense Valve – 150 Bar	28, 90, 115	
Pinch Tube Valve			
98085	Shot Miser™ Dispense Valve	11, 23, 134, 158	
Positive Displacement Pump			
983330	Positive Displacement Pump	134, 158	

LOCTITE® VALVE & PUMP FLUID CAPABILITY CHART	97113/ 97114	98084	98009	98013	97135/ 97136	98520	986300	1049138	1153502	98085	983330
ACCELERATORS			•	•		•				•	
ACRYLICS	•	•	•	•	•	•	•			•	
ACTIVATORS			•	•		•				•	
ANAEROBICS	•		•	•	•		•			•	•
ANAEROBIC GASKETING							•				
CYANOACRYLATES	•			•	•					•	
INKS	•	•	•	•	•	•				•	
LUBRICANTS	•					•	•	•	•		
MODIFIED SILANES								•	•		
NON-ABRASIVE GREASES							•		•		
OILS	•		•	•	•			•		•	
ONE-PART EPOXIES	•						•		•		
PAINTS	•		•	•		•				•	
PRIMERS			•	•		•				•	
REAGENTS			•	•		•				•	
SILICONES								•	•		
SOLVENTS			•	•		•				•	
UV & LIGHT CURE FLUIDS	•	•	•		•					•	
UV ANAEROBICS	•		•		•					•	
WATER		•	•	•	•	•				•	

[Two-Part Volumetric Dispensing]

Loctite® Posi-Link™ Dispense System for Dual Cartridges

When you need high precision dispensing from your prepackaged dual cartridge adhesive, the Loctite® Posi-Link™ Dispense System is the solution. This system offers dispensing accuracy well beyond any pneumatic cartridge dispenser down to 0.001 ml drop size. Select your system based on cartridge size and adhesive ratio requirements.

Loctite® Posi-Link™ Dispense System for Dual Cartridges

For more information on Loctite® Posi-Link™ Dispense Systems, please refer to [page 183](#) where you can find information on the parts that make up the system, including the controller, actuator, dual cartridge nests, pinch tube valve and technical information.

Loctite® Meter Mix Systems

When your Loctite® two-part adhesive application takes on a larger dimension, Henkel has the two-part volumetric dispensing solution with our high precision Loctite® Meter Mix Dispense Systems. You can choose either fixed or variable ratio units for any of our featured systems and, together with a wide selection of reservoir systems, hoses, valves and other accessories, customize your system to meet your application requirements.

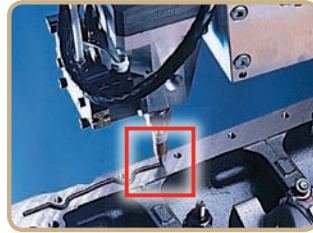
For more information on Loctite® Meter Mix Systems, please refer to [page 185](#).

Item # DuraPump™ Programmable Meter Mix System

1041649	1:1
1041644	2:1
1041639	4:1
1041638	10:1

Item # DuraPump™ Pneumatic Meter Mix System

1041648	1:1
1041643	2:1
1041641	4:1
1041637	10:1



[Hot Melts Equipment]

Henkel offers Loctite® Hysol™ handheld hot melt applicators as well as Loctite® Hysol™ Bulk Hot Melt Systems.

Loctite® Hysol™ handheld hot melt applicators are state-of-the-art dispensing units designed for the application of hot melt adhesives. These units combine ergonomics, user-friendly design and reliability. Selection of a Loctite® Hysol™ hot melt applicator should be based on the type of hot melt being used, stick diameter and process requirements.

Loctite® Hysol™ bulk hot melt systems offer high performance control and reliability for all of your hot melt dispensing needs. You can rely on Henkel to supply you with performance hot melt adhesives as well as an array of standard high volume hot melt dispensing equipment. Henkel offers true one-stop shopping for your complete adhesive solution. These systems are rugged, compact and feature internal system diagnostics that monitor the temperatures and system settings.

Item # Handheld Hot Melt Dispensers

For more information, see page no.:

1/2 in. Superstick™ Dispensers		
916282	Hysol™ 050A	17, 117
98545	Hysol™ 050-HT	17, 117
916268	Hysol™ 050-GAS	17, 117
916281	Hysol™ 050-LITE	17, 117
3/4 in. Maxistick™ Dispensers		
98033	Hysol™ 075	17, 117
98034	Hysol™ 075-LT	17, 117
1 3/4 in. SprayPac® and Polyshot™ Dispensers		
98036	Hysol™ 175-AIR	17, 117
98040	Hysol™ 175-AIR-HT	17, 117
98037	Hysol™ 175-SPRAY	17, 117
98041	Hysol™ 175-SPRAY-HT	17, 117
98035	Hysol™ 175	17, 117
Urethane Dispenser		
98011	Hysol™ Reactive Urethane Cartridge Dispenser	17, 117
Hot Melt Bench Mount and Controller Options		
98042	Hot Melt Bench Mount Kit	17, 117
98043	Hot Melt Pneumatic Timer	17, 117

Handheld Hot Melt Nozzles & Accessories

A complete listing of Hot Melt Nozzles and Accessories can be found on pages 18 and 118. For custom hot melt dispense nozzles, contact the Special Equipment Group of Henkel at 1-800-LOCTITE (562-8483).

[Motion Control Robot Dispense Systems]

Available in both Benchtop and SCARA model types, Loctite® brand robots are designed to simplify the dispensing of adhesives and sealants onto complex surface configurations. They allow manufacturers to dispense repeatedly and reliably patterns of liquid material on a programmed basis, resulting in improved process efficiencies, minimal material waste, and reduced manufacturing costs.

Benchtop Robots & SCARA Robot Station

For more information on Loctite® Motion Control Robot Dispense Systems, please refer to page 181, where you can find product listings, technical information, mounting hardware, workbenches and guarding systems.

[Consumables – Dispense Accessories]

Henkel offers a comprehensive line of Loctite® brand dispense tips, static mix nozzles and syringe barrel components. Our high precision stainless steel, tapered polyethylene and flexible polypropylene tips all feature a positive locking, helical thread design to ensure the tip will stay intact during the toughest applications. A wide variety of static mix nozzles are available to meet your two-part adhesive dispensing needs. High-quality syringe barrels and components will ensure consistent single-component adhesive dispensing needs are met.

Dispense Tips & Accessories

You can find a complete listing of Dispense Tips and Accessories on pages 186 and 187.

Cartridge Accessories

You can find a complete listing of Cartridge Accessories on page 187.

Static Mix Nozzles & Accessories

You can find a complete listing of Static Mix Nozzles and Accessories on pages 189 and 190.

Loctite® Brand Syringe Accessories

You can find a complete listing of Loctite® Brand Syringe Accessories on page 188.

Your Source for EQUIPMENT MOTION CONTROL ROBOT DISPENSE SYSTEM

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.

- Available in both Benchtop and SCARA model types
- Designed to simplify the dispensing of adhesives and sealants onto complex surface configurations
- Allows for repeated and reliable dispense patterns of liquid material on a programmed basis
- Improves process efficiencies
- Minimal material waste
- Reduces manufacturing costs

[Robot Types]

Benchtop robots are beam or gantry style robots designed to be placed on a bench. These robots carry one or more parts that are captured in a fixture that is mounted on the work surface. Motion in the X axis is achieved by moving the work surface forward and backward. The Y and Z axes are achieved by moving the tool head left and right and up and down, respectively, on the beam or gantry. When applicable, the fourth axis (R axis) is achieved by rotating the mounting shaft that protrudes from the tool head.

SCARA is an acronym for Selective Compliance Assembly Robot Arm. The robot is a multi-jointed arm that moves above the work surface. It must be mounted near the work surface by the user. The X and Y axes are achieved by changing the angles of the two arms. This creates a kidney-shaped dispensing area that is approximately 880 mm (34.6 in.) wide and 440 mm (17.3 in.) tall at the center. The Z axis is achieved by moving both arms up and down. On the 4-axis models, the R axis is achieved by rotating the mounting shaft that protrudes from the end of the arm.

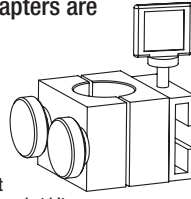
LOCTITE® PRODUCT		D-SERIES 200 BENCHTOP ROBOT STATION 	D-SERIES 300 BENCHTOP ROBOT STATION 	D-SERIES 400 BENCHTOP ROBOT STATION 	500 BENCHTOP ROBOT STATION 	S440 SCARA-N ROBOT STATION 
ITEM NUMBER (110 VOLT SYSTEMS)	3-AXIS	1328352	1326775	1325964	98602	1008351
	4-AXIS	98283A	98291A	98299A	98606	1008338
TYPE		Benchtop	Benchtop	Benchtop	Benchtop	SCARA
RANGE OF OPERATION	X AXIS	200 mm	300 mm	400 mm	510 mm	Arm 1: 260 mm ± 90°
	Y AXIS	200 mm	320 mm	400 mm	510 mm	Arm 2: 180 mm ± 150°
	Z AXIS	50 mm	100 mm	150 mm	150 mm	100 mm
	R AXIS	± 360°	± 360°	± 360°	± 360°	± 360°
PORTABLE WEIGHT LIMITATIONS	WORK SURFACE	5.0 kg	10.0 kg	10.0 kg	11.0 kg	N/A
	TOOL HEAD	2.0 kg	5.0 kg	5.0 kg	6.0 kg	5.0 kg
SPEED	PTP (X,Y) MAX.	400 mm/s	600 mm/s	600 mm/s	800 mm/s	1500 mm/s
	PTP (Z) MAX.	200 mm/s	320 mm/s	320 mm/s	320 mm/s	320 mm/s
	PTP (R)	6 to 600 °/s	8 to 800 °/s	8 to 800 °/s	8 to 800 °/s	10 to 1,000 °/s
	CP (X, Y, Z)	0.1 to 500 mm/s	0.1 to 800 mm/s	0.1 to 800 mm/s	0.1 to 800 mm/s	0.1 to 800 mm/s
ADDITIONAL INFORMATION		Please visit www.equipment.loctite.com for detailed drawings of all benchtop robots. Just search for the part number that you are interested in and scroll down to the product documentation.				

[Loctite® Brand Mounting Hardware, Workbenches & Guarding Enclosures]

Mounting Bracket Kits

Mounting bracket kits are used to grasp syringe barrels, Loctite® Posi-Link™ syringe and dual cartridge nests, 300 ml cartridges, dispense valves, and LEDs. Mounting rails or adapters are required to mount the brackets on the robot or dispense station.

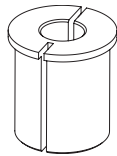
Item #	98316	30 ml syringe mounting bracket kit
	98318	300 ml cartridge mounting bracket kit
	98326	98009 and 98013 valve mounting bracket kit
	98327	97113 and 97114 valve mounting bracket kit
	98406	983914 and 986300 poppet valve mounting bracket kit
	98441	98520 spray and 98084 micro needle valve mounting bracket kit
	98646	Universal syringe bracket for Posi-Link™
	98647	50 ml dual cartridge bracket for Posi-Link™
	98669	Handheld LED mounting bracket
	1034030	CureJet™ mounting bracket kit



3, 5 and 10 ml Syringe Adapters

These adapters are inserted into the 30 ml syringe mounting bracket kit to adapt it for 3, 5 and 10 ml syringes. The 30 ml syringe mounting bracket (item 98316) must be purchased separately.

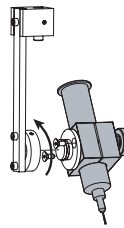
Item #	98320	10 ml adapter for use with 98316
	98321	5 ml adapter for use with 98316
	98322	3 ml adapter for use with 98316



Mounting Adapter for All 4-Axis Robots

A mounting adapter is required when using Loctite® brand mounting hardware for all 4-axis robots. The mounting adapter includes a 360-degree rotation kit.

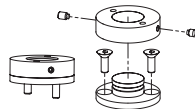
Item #	98336	Mounting adapter for 4-axis robots
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360-Degree Rotation Kit

This is used to allow for 360 degrees of rotation when using a mounting bracket kit or tip locator. A 360-degree rotation kit is already included with the mounting adapter for 4-axis robots.

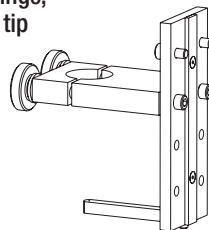
Item #	98325	360-degree rotation kit
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Complete Mounting Kits for 3-Axis SCARA Robots*

Complete mounting adapter kits hold the syringe, cartridge or valve, and position the dispense tip 60 mm from the end of the tool arm.

Item #	98340	30 ml syringe holder
	98341	300 ml cartridge holder
	98342	98009 and 98013 valve holder
	98343	97113 and 97114 valve holder
	98408	983914 and 986300 poppet valve holder

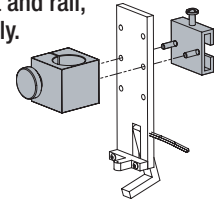


* These are sized for 25 gauge needles and must be modified by the user for larger gauge sizes.

Tip Locator Brackets*

Tip locator brackets position the dispense tip to increase precision and are used to mechanically set the tip height during installation. A mounting bracket and rail, plate, or adapter must be purchased separately.

Item #	98332	Tip locator bracket for 30 ml syringes
	98333	Tip locator bracket for 300 ml cartridges
	98334	Tip locator bracket for 98009 and 98013 valves
	98335	Tip locator bracket for 97113 and 97114 valves
	98407	Tip locator bracket for 983914 and 986300 poppet valve

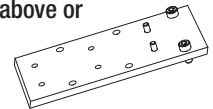


* These are sized for 1 in., 25 gauge stainless steel needles and must be modified by the user for larger gauge sizes.

Z Height Adjustment Plate for 3-Axis Benchtop Robots

This plate allows you attach the mounting rails above or below the mounting bracket on the robot.

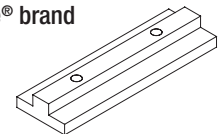
Item #	98357	Z height adjustment plate
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Mounting Rails for 3-Axis Benchtop Robots and Dispense Stations

A mounting rail is required when using Loctite® brand mounting hardware for all 3-axis Benchtop Robots and Dispense Stations.

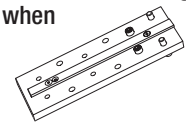
Item #	98328	3 3/4 in. bar with two cap screws
	98329	8 3/4 in. bar with two cap screws
	98330	12 in. bar with two cap screws



Mounting Plate for 3-Axis SCARA Robots

A mounting plate is required when using Loctite® brand mounting hardware for all 3-axis SCARA Robots (except when using a complete mounting kit).

Item #	98337	Mounting plate for SCARA robot
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Workbenches

- Strong and sturdy workbenches
- Accommodate all Loctite® brand robots

Item #	989783	200 Series Workbench	36" W x 24" D x 36" H
	989784	300 Series Workbench	42" W x 30" D x 36" H
	989785	400/500 Series Workbench	48" W x 36" D x 36" H
	989860	SCARA Series Workbench	48" W x 48" D x 36" H



Guarding Systems

FOR PLANTS REQUIRING HIGHER SAFETY LEVELS

- Light Curtain or Interlocked Sliding Door* on front
- Sturdy extruded aluminum frame
- Polycarbonate panels on left, right and rear
- Operator control panel mounted on front right
- Direct plug-in to robots

* Interlocked door model for Benchtop units only.

Item #	989787	200 Series Slide Door Guarding System	22" W x 26" D x 27" H
	989763	200 Series Light Curtain Guarding System	22" W x 24" D x 27" H
	989788	300 Series Slide Door Guarding System	30" W x 32" D x 30" H
	989771	300 Series Light Curtain Guarding System	30" W x 30" D x 30" H
	989789	400/500 Series Slide Door Guarding System	32" W x 36" D x 35" H
	989777	400/500 Series Light Curtain Guarding System	32" W x 38" D x 35" H
	989852	SCARA Light Curtain Guarding System	48" W x 48" D x 36" H

Your Source for **EQUIPMENT**
TWO-PART VOLUMETRIC DISPENSING -
LOCTITE® POSI-LINK™
DISPENSE SYSTEM
FOR DUAL CARTRIDGES








When you need high precision dispensing from your prepackaged dual cartridge adhesive, the Loctite® Posi-Link™ Dispense System is the solution. This system offers dispensing accuracy well beyond any pneumatic cartridge dispenser down to 0.001 ml drop size. This system specifically excels at eliminating dispense variability due to continuously changing viscosity (curing) in the mix nozzle. It can easily be integrated into any automated process and provide process feedback to a plant PLC. Select your system based on cartridge size and adhesive ratio requirements. You can choose 50 ml, 200 ml or 400 ml packages for any 1:1, 2:1 or 10:1 ratio product.



Loctite® Posi-Link™ 10-50 System, Integrated Robotic Solution using a 50 ml dual cartridge, and showing wall-mounted actuator.



[Complete Loctite® Posi-Link™
Dual Cartridge System]

POSI-LINK™ DUAL CARTRIDGE SYSTEM	FOR 50 ML DUAL CARTRIDGES					
	 CONTROLLER	+	 ACTUATOR	+	 NEST	
FOR 200/400 ML DUAL CARTRIDGES						
 CONTROLLER	+	 ACTUATOR	+	 NEST	+	 PINCH TUBE VALVE

(Each Item Sold Separately.)

Loctite® Posi-Link™ Controller

Provides all operator interface and control signals to actuator.

Item # 98377 Posi-Link™ Controller

FEATURES:

- Dose selection by volume
- Easy programming controller, with storage capacity for 25 user-defined programs, reduces adhesive setup waste
- Smallest footprint on the market to conserve benchtop space
- Automatic cartridge engagement to ensure easy and error-free cartridge changeover
- Adhesive level monitoring with low level visual and digital outputs
- Fault detection with visual and digital outputs for clogged nozzles, loss of pressure and system faults
- In-cycle visual and digital outputs
- Foot switch, finger switch or PLC remote start activation



Loctite® Posi-Link™ Actuators

Provides adhesive dispensing by effecting incremental movements of dual pistons and displacing programmable qualities of adhesive within the cartridge regardless of viscosity changes in the mix nozzle.

Item #	98379	Posi-Link™ 10-50 Actuator	50 ml Cartridges
	98380	Posi-Link™ 200-400 Actuator	200/400 ml Cartridges

* See www.equipment.loctite.com for use with syringes.

FEATURES:

- Flexible orientation in any position.
- Easily fits below an industrial workbench or wall mounts with brackets supplied to conserve benchtop space.
- Lightweight remote dispense head has a “positive link” to actuator via a 7-foot tether, allowing ergonomic hand held dispensing or mounting directly on robotic arms.
- Easily attaches to the dual cartridge nests (sold separately) to accommodate alternate cartridge barrel sizes.
- Mechanically linked dual plungers guarantee proper ratios are achieved.
- Positive shut-off pinch tube available, which directly attaches to the mix nozzle, eliminating dripping.



Loctite® Posi-Link™ 50 ml and 200/400 ml Dual Cartridge Nests

Connects the actuator to the dual cartridge.

Item #	98641	1:1/2:1 – 50 ml Cartridge	Used with Loctite® Posi-Link™ 10-50 Actuator
	98642	10:1 – 50 ml Cartridge	Used with Loctite® Posi-Link™ 10-50 Actuator
	98662	1:1/2:1 – 200 ml Cartridge	Used with Loctite® Posi-Link™ 200-400 Actuator
	98663	1:1/2:1 – 400 ml Cartridge	Used with Loctite® Posi-Link™ 200-400 Actuator
	98664	10:1 – 400 ml Cartridge	Used with Loctite® Posi-Link™ 200-400 Actuator

THEORY OF OPERATION:

A disposable dual cartridge is effectively used as a dual metering piston/cylinder. Because the individual chambers of a dual cartridge are of a known and constant diameter, a given incremental measurement of the dual pistons will displace a known volume of adhesive within each chamber at an exact ratio. This dual cartridge system functions identically to a Loctite® Posi-Link™ Syringe System, except that it has two plungers within the dispense head. These plungers simultaneously act on two chambers within the dual cartridge. You can view a functionality diagram on www.equipment.loctite.com.



Loctite® Pinch Tube Valve

Item # 97141 Pinch Tube Valve

FEATURES:

- Valve attaches directly to the end of the square mix nozzle
- Provides positive no-drip shut-off, using disposable pinch tube elements



FOR 50 ML DUAL CARTRIDGES – OPTIONAL

Pinch Tube Valve
+
97541 (10 pack) Replacement Tube Inserts
+
98671 Solenoid Valve

FOR 200/400 ML DUAL CARTRIDGES – REQUIRED

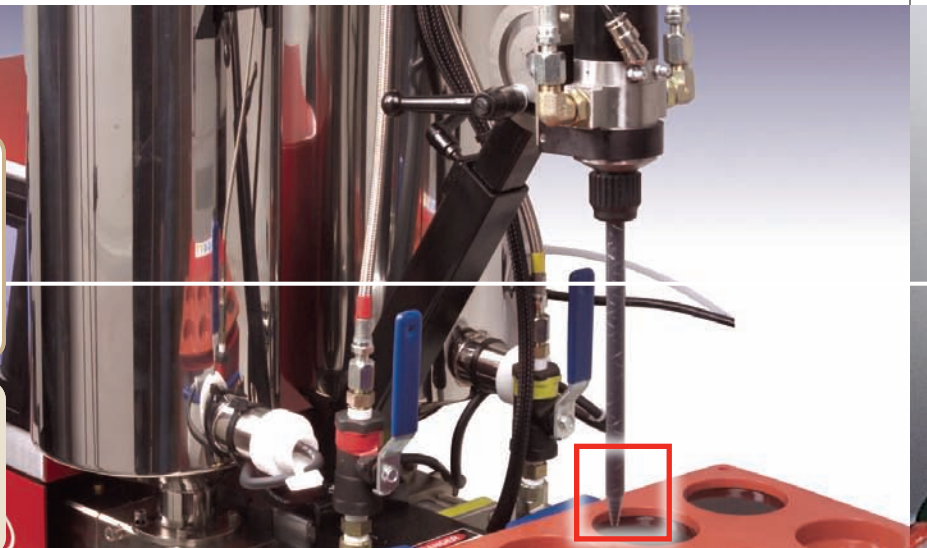
Pinch Tube Valve
+
97541 (10 pack) Replacement Tube Inserts
(98671 Solenoid Valve Included with
Loctite® Posi-Link™ 200-400 Actuator)



TECHNICAL SPECIFICATIONS	PRODUCT		
	LOCTITE® POSI-LINK™ CONTROLLER ITEM # 98377	LOCTITE® POSI-LINK™ 10-50 ACTUATOR ITEM # 98379	LOCTITE® POSI-LINK™ 200-400 ACTUATOR ITEM # 98380
POWER SOURCE	9 ft. Communication Cable	100/240 VAC; 47/60 Hz	100/240 VAC; 47/60 Hz
DIMENSIONS	5.375" H x 6" D x 6" W	34" H x 4" D x 5" W	34" H x 4" D x 5" W
TOTAL WEIGHT	2 lbs.	13 lbs.	20 lbs.
DISPENSE HEAD WEIGHT (INCLUDES NEST AND PINCH TUBE VALVE)	N/A	2 lbs.	10 lbs.
AIR SUPPLY	N/A	40 to 100 psi	40 to 100 psi
POSI-LINK™ ELECTRO/HYDRAULIC TETHER	N/A	7 feet	7 feet
MINIMUM ¹ DISPENSE VOLUME	N/A	0.005 ml	0.01 ml
DISPENSE RATE ²	N/A	0.009 – 0.4 ml/second	0.009 – 1.0 ml/second
MAXIMUM CYCLE RATE	N/A	1 cycle per second	1 cycle per second
USED TO DISPENSE	N/A	All Dual 50 ml Cartridge 1:1 / 2:1 / 10:1 ratio adhesives	All Dual 200 or 400 ml Cartridge 1:1 / 2:1 / 10:1 ratio adhesives
PARTS INCLUDED	(1) Loctite® Posi-Link™ Controller (1) Foot Switch	(1) Loctite® Posi-Link™ Actuator (1) 9 ft. Controller/Actuator Signal Cord (1) 110 Power Cord (1) Air Inlet Pressure Regulator Gauge (1) Wall or Table Mounting Bracket (1) Instruction Manual	
ADDITIONAL INFORMATION	For Spare Parts and Accessories, see www.loctite.equipment.com . For Static Mix Nozzles and Accessories, see pages 189 and 190.		

¹ Minimum Dispense Volume is a machine dispense capability. As with all mix nozzle systems, the minimum possible shot with “proper mixing” is dependent on a properly specified combination of adhesive, mix nozzle and dispense rate.
² Maximum Dispense Rate varies based on adhesive viscosity and mix nozzle selection.

Your Source for **EQUIPMENT**
TWO-PART
VOLUMETRIC DISPENSING
- METER MIX SYSTEMS

- Customize your system to meet your application requirements. A wide selection of reservoir systems, hoses, valves and other accessories is available. Visit www.equipment.loctite.com for more information.



LOCTITE® PRODUCT	DURAPUMP™ PROGRAMMABLE METER MIX SYSTEM 	DURAPUMP™ PNEUMATIC METER MIX SYSTEM 
MACHINE RATIO CAPABILITIES/ITEM NUMBERS		
FIXED	1041649 – 1:1 1041644 – 2:1 1041639 – 4:1 1041638 – 10:1 1041635 – Custom Ratios (available from 1:1 up to 9.99:1)	1041648 – 1:1 1041643 – 2:1 1041641 – 4:1 1041637 – 10:1
MMA COMPATIBLE	N/A	1041647 – 1:1 1041636 – 10:1 1041620 – Custom Ratios
PERFORMANCE SPECIFICATIONS		
DISPENSE RANGE	0.40 cc to 28 cc	
CYCLE RATE	Up to 20 per minute	
MIX RATIO RANGE BY VOLUME	1:1 to 10.0:1	
MAXIMUM PRODUCT FEED PRESSURE	2000 psi	
WETTED COMPONENT MAKEUP		
ABRASION-RESISTANT PUMPS	Standard	Standard
MILD STEEL PUMPS	Not Required	Not Required
INERT PUMPS	Standard	Standard
DISPENSE VALVES		
MIX MANIFOLD (ACCEPTS MIX NOZZLE DIRECTLY)	Standard	Standard
HANDHELD VALVE WITH TRIGGER PISTOL GRIP	Optional	Optional
HANDHELD VALVE WITH LEVER ACTUATION	N/A	N/A
ADJUSTABLE BOOM MOUNTED VALVE	N/A	N/A
SHOT CONTROL CAPABILITIES		
MANUAL/OPERATOR CONTROLLED SHOT	Standard	Standard
MECHANICALLY ADJUSTED LIMIT SWITCH SHOT CONTROL	N/A	Standard
PRE-PROGRAMMED ELECTRONIC SHOT SIZE CONTROL	Standard	N/A
MULTIPLE PRE-PROGRAMMED SHOT SIZE CONTROL	Standard	N/A
TOUCH SCREEN MACHINE CONTROLS	Standard	N/A
OTHER MACHINE FEATURES		
FEED ACCUMULATORS FOR BULK PACKAGE PRESSURE FEED	Not Required	Not Required
MAINTENANCE TOTALIZER	Standard	N/A
LOW/HIGH LEVEL SENSING CAPABLE	Optional – Low Level Only	N/A
SUPERVISOR MACHINE LOCK-OUT	Standard	N/A
PNEUMATICALLY ADJUSTABLE FLOW CONTROL	Standard	Standard
AUTO-PURGE CAPABLE	Standard	N/A
FOOT SWITCH CONTROLLED	Standard	Standard
TECHNICAL SPECIFICATIONS		
USED TO DISPENSE	Two-Part Epoxies, Two-Part Acrylics, Two-Part Polyurethanes, Two-Part Silicones	Two-Part MMAs, Two-Part Epoxies, Two-Part Acrylics, Two-Part Polyurethanes, Two-Part Silicones
PACKAGE TYPES	Any, excluding Dual Cartridges	Any, excluding Dual Cartridges
ADDITIONAL INFORMATION	Please visit www.equipment.loctite.com for feed system options and accessories (sold separately).	

Your Source for EQUIPMENT CONSUMABLES DISPENSE ACCESSORIES

- Full line of Loctite® brand dispense tips, static mix nozzles and syringe barrel components
- Available in stainless steel, tapered polyethylene and flexible polypropylene tips that all feature a positive locking, helical thread design to ensure the tip will stay intact during application
- Wide variety of static mix nozzles is available for two-part adhesive dispensing needs
- High-quality syringe barrels and components are available for single-component adhesive dispensing needs

[Tapered Dispense Tips]

1 1/4 in. Polyethylene Tapered Tips, Helical Thread and UV Light Block Additive



50 PACK ITEM NO.	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
98385	98386	White	14
98387	98388	Grey	16
98389	98390	Green	18
98391	98392	Pink	20
98393	98394	Blue	22
98658*	98659*	Red	25
98660*	98661*	Clear	27

* New smaller gauge sizes

[High Precision Stainless Steel Dispense Tips]

1/4 in. Stainless Steel Tips Helical Thread



50 PACK ITEM NO.	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
830704	830703	Olive	14
98196	98197	Green	18
98198	98199	Pink	20
98200	98201	Purple	21
98624	98625	Red	25
98626	98627	Clear	27
98628	98629	Lavender	30
98114	98115	Yellow	32

1/2 in. Stainless Steel Tips Helical Thread



50 PACK ITEM NO.	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
98396	98397	Amber	15
98398	98399	Green	18
98400	98401	Pink	20
98424	98425	Purple	21
98402	98403	Blue	22
98611	98612	Orange	23
98404	98405	Red	25
1255059	1255058	Light Grey	27
1256848	1256497	Lavender	30

1 in. Stainless Steel Tips Helical Thread



50 PACK ITEM NO.	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
98216	98217	White	14
98218	98219	Amber	15
98222	98223	Green	18
98224	98225	Pink	20
98226	98227	Purple	21
98228	98229	Blue	22
98230	98231	Orange	23
98232	98233	Red	25
98234	98235	Light Grey	27

1 1/2 in. Stainless Steel Tips Helical Thread



50 PACK ITEM NO.	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
98163	98164	White	14
98165	98166	Amber	15
98167	98168	Green	18
98169	98170	Pink	20
98171	98172	Purple	21
98173	98174	Blue	22
98175	98176	Orange	23
98177	98178	Red	25
98179	98180	Light Grey	27

45° by 1/2 in. Stainless Steel Tips Helical Thread



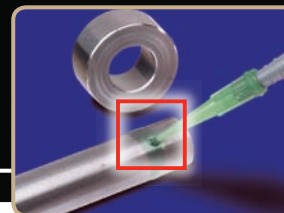
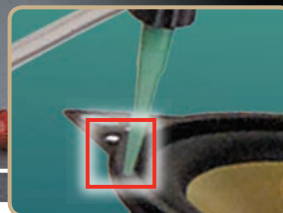
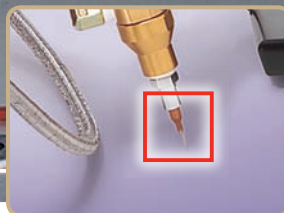
50 PACK ITEM NO.	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
98236	98237	White	14
98240	98241	Amber	15
98244	98245	Green	18
98248	98249	Pink	20
98252	98253	Purple	21
98256	98257	Blue	22
98260	98261	Orange	23
98264	98265	Red	25
98268	98269	Light Grey	27

90° by 1/2 in. Stainless Steel Tips Helical Thread



50 PACK ITEM NO.	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
98238	98239	White	14
98242	98243	Amber	15
98246	98247	Green	18
98250	98251	Pink	20
98254	98255	Purple	21
98258	98259	Blue	22
98262	98263	Orange	23
98266	98267	Red	25
98270	98271	Light Grey	27

Your Source for **EQUIPMENT**
CONSUMABLES
DISPENSE ACCESSORIES



[Flexible Dispense Tips]

1 1/2 in. Polypropylene Tips Helical Thread



50 PACK ITEM NO.	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
97229	98069	Amber	15
97230	98070	Green	18
97231	98071	Pink	20
97232	98082	Red	25

[General Purpose Dispense Tips]

1/2 in. Stainless Steel Tips



50 PACK ITEM NO.*	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
98208	98209	Olive	14
97225	98065	Amber	15
97226	98066	Green	18
97227	98067	Pink	20
98210	98211	Purple	21
98100	98080	Blue	22
98212	98213	Orange	23
97228	98068	Red	25
98214	98215	Clear	27

*50 packs in a plastic box

[General Purpose Tapered Dispense Tips]

1 1/4 in. Polyethylene Tapered Tips



50 PACK ITEM NO.*	1,000 PACK ITEM NO.	HUB COLOR	GAUGE
98272	98273	Tan	14
97221	98061	Grey	16
97222	98062	Green	18
97223	98063	Pink	20
97224	98064	Blue	22

*50 packs in a plastic box

[Dispense Tips & Accessories]

LOCTITE® PRODUCT	ITEM NUMBER	USED TO DISPENSE
	1146079 (50 pack) 1146078 (1000 pack)	SS, PTFE-Lined, 25 Gauge
	97233	Luer-Lok® Adapter Kit, 20 Luer-Loks® and 5 adapters
	97248 (50 pack) 98499 (1000 pack)	Tip Caps
	97261 (50 pack) 98074 (1000 pack)	High Density Polyethylene, 15 Gauge, White
	97262	2 each of a variety of Helical Threaded 1/2 in. Stainless Steel, Tapered Tip and Polypropylene tips
	272793	Formable Dispense Tip, 21 Gauge (100 pack)
	97511	Tri-Nozzle - Helps eliminate bubbles in anaerobic gasket applications
	98652	Light-blocking shield for dispense tips (10 pack)
	998390	Vari-Drop™ Applicator Brushes (10 pack)

[Needle Variety Kit]



This kit contains five each of an assortment of high precision Stainless Steel Tips in various lengths and gauges. Tapered and Flexible Dispense Tips are also included. All dispense tips have helical thread Luer-Lok® hubs for reliable locking.

Item Number: 98439

[Cartridge Accessories]

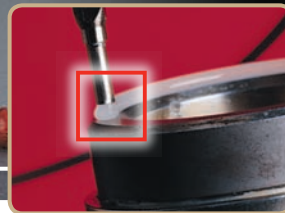
LOCTITE® PRODUCT	ITEM NUMBER	USED TO DISPENSE
	98446	Roller Assembly 1 in. wide band
	98448	Roller Assembly 2 in. wide band
	98447	Replacement Roller 1 in. wide (3 pack)
	98449	Replacement Roller 2 in. wide (3 pack)
	98610	3/4 in. wide by 1/4 in. NPT Dispense Nozzle (10 pack)
	1044246	Aero Nozzle for Silicones in aerosol cans (10 pack)
	98128	Cartridge Dispense Tip: 1/4 in. Male Semco Thread (10 pack)
	98371	Cartridge-Needle Adapter: (Female Luer x 1/4 in. Male Semco Thread) Luer-Lok® Adapter for Dispense Needle Attachment (5 pack)
	1147763	Cartridge-Dispense Valve Adapter Assembly Fischbach Thread x 1/4 in. Male NPT
	97215	Cartridge-Syringe Adapter: 1/4 in. Semco Thread x Female Luer, used for downloading
	98181	Cartridge-Tube Fitting Adapter: (1/4 in. FNPT x 1/4 in. Male Semco Thread) used for connecting tube fittings to cartridges. Item Numbers 984832 or 984833 also required and sold separately. (3 pack)
	984832	Tube Fitting: 1/4 in. Male NPT x 1/4 in. Feed Tube (10 pack)
	984833	Tube Fitting: 1/4 in. Male NPT x 3/8 in. Feed Tube (10 pack)
	982644	Cartridge Adapter: SS, (1/4 in. FNPT x 1/4 in. female Fischbach Thread), used for connecting tube fittings
	1045339	Cartridge-Needle Adapter: 1/4 in. NPT Thread x Female Luer - shown with Item Number 982644 for 1/4 in. Fischbach, for needle attachment (5 pack)
	1044247	Cartridge-Syringe Adapter: 1/4 in. MNPT x Female Luer shown with Item Number 982644 for 1/4 in. Fischbach, used for downloading (5 pack)

CARTRIDGE ACCESSORIES






















[Loctite® Brand Syringe Accessories]

LOCTITE® PRODUCT	ITEM NUMBER	DESCRIPTION	CONTENTS	
	98656 98657 97208 97245	3 ml Syringe Air Line Adapter 5 ml Syringe Air Line Adapter 10 ml Syringe Air Line Adapter 30 ml and 55 ml Syringe Air Line Adapter	2 Air Line Adapters – Common to all part numbers (Syringe barrel sold separately.)	
	984650	Air Line Filter for Syringe Dispensing to prevent product back-flow	1 Filter Assembly with 2 Hose Crimps	
	97216 97294 98416	10 ml Syringe Starter Kit 30 ml Syringe Starter Kit 55 ml Syringe Starter Kit	5 Caps 5 Pistons 4 Clear Barrels 1 Black Barrel 5 Tips 1 Air Line Adapter	
	97207 97263	10 ml Clear Syringe Starter Kit 10 ml Black Syringe Barrel Kit for UV Adhesives	20 Barrel Caps, 40 Pistons, 40 Barrels, 40 Barrel Tips	
	97244 97264	30 ml Clear Syringe Starter Kit 30 ml Black Syringe Barrel Kit for UV Adhesives	10 Barrel Caps, 20 Pistons, 20 Barrels, 20 Barrel Tips	
	98314 98315	55 ml Clear Syringe Starter Kit 55 ml Black Syringe Barrel Kit for UV Adhesives	5 Barrel Caps, 10 Pistons, 10 Barrels, 10 Barrel Tips	
	98479 98481 98483 98485 98487 98489 98491 98493 98496 98497	Clear or Black, 3 ml, 5 ml, 10 ml, 30 ml and 55 ml Piston/Syringe Combination Packages 3 ml Syringe Barrel and Piston, Clear 3 ml Syringe Barrel and Piston, Black 5 ml Syringe Barrel and Piston, Clear 5 ml Syringe Barrel and Piston, Black 10 ml Syringe Barrel and Piston, Clear 10 ml Syringe Barrel and Piston, Black 30 ml Syringe Barrel and Piston, Clear 30 ml Syringe Barrel and Piston, Black 55 ml Syringe Barrel and Piston, Clear 55 ml Syringe Barrel and Piston, Black	50 Pack 50 Pack 50 Pack 50 Pack 50 Pack 50 Pack 50 Pack 50 Pack 50 Pack 50 Pack	
	Various	Dark Amber Syringe and Piston options	Available upon request. Please contact your Loctite® Sales Representative or contact us at www.equipment.loctite.com .	
		1176432 1176431 1180633 1180634	Loctite® Manual Syringe Kits 3 ml Clear Manual Syringe Kit 6 ml Clear Manual Syringe Kit 10 ml Clear Manual Syringe Kit 35 ml Clear Manual Syringe Kit	Each Kit contains Plunger, Stopper and Clear Barrel, unassembled. 1,000 Pack 1,000 Pack 1,000 Pack 500 Pack
		98501	Loctite® Applicator Holder for 10 ml, 30 ml and 55 ml Syringe Barrels (Red)	1 Holder (Syringe Barrel and Air Line Adapter sold separately.)
		97215	Cartridge-Syringe Adapter: 1/4 in. Semco Thread x Female Luer, used for downloading.	














Your Source for **EQUIPMENT**
CONSUMABLES
DISPENSE ACCESSORIES



[Loctite® Brand Static Mix Nozzles & Accessories]

LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE QUANTITY	DESCRIPTION
MIX NOZZLES FOR 50 ML DUAL CARTRIDGES			
	98444 1405182	10 5,000	50 ml Square Mix Nozzle, Luer/Stepped Combo Tip, 3.25 in. Overall Length, 5.3 mm², 16 elements; 1:1, 2:1 mix ratios.
	98473 98632	10 1,000	50 ml Square Mix Nozzle, Luer/Stepped Combo Tip, 4.5 in. Overall Length, 5.3 mm², 24 elements; 1:1, 2:1, 4:1 mix ratios.
	98622 983509	10 2,000	50 ml Mix Nozzle, 5.9 in. Overall Length, 0.250 in. ID, Slip-Luer, 20 elements; 1:1, 2:1 and 4:1 ratios. 
	98623 98364	10 2,000	50 ml Mix Nozzle, 5.9 in. Overall Length, 0.250 in. ID, Stepped Tip-Luer, 20 elements; 1:1, 2:1 and 4:1 ratios. 
	98454	10	50 ml Mix Nozzle, Luer Tip, 6.0 in. Overall Length, 6.35 mm diameter, 21 elements; 1:1, 2:1, 4:1 mix ratios.
	98455 1116241	10 2,500	50 ml Mix Nozzle, Stepped Tip, 6.0 in. Overall Length, 6.35 mm diameter, 21 elements; 1:1, 2:1, 4:1 mix ratios.
	1034575	10	50 ml-S Mix Nozzle, Stepped Tip, 6.2 in. Overall Length, 6.5 mm ID, 20 elements; 10:1-S cartridges only
	1145743 1143355	10 2,000	50 ml Mix Nozzle with Integral Needle Adapter, 5.9 in. Overall Length, .25 in. 6.35 mm ID, 20 elements; 1:1, 2:1 ratios. NEW
	1259190	10	50 ml Round Mix Nozzle, Luer Tip, 4.7 mm ID, 3.3 inch long, 16 elements, 1:1, 2:1 mix ratios. NEW
MIX NOZZLES FOR 200 ML & 400 ML DUAL CARTRIDGES			
	98373 98374	10 1,000	200/400 ml Square Mix Nozzle, Luer/Stepped Combo Tip, 5.0 in. Overall Length, 5.3 mm², 24 elements; 1:1, 2:1, 4:1 mix ratios.
	98474 98653	10 1,000	200/400 ml Square Mix Nozzle, Stepped Tip, 5.1 in. Overall Length, 7.5 mm², 24 elements; 1:1; 2:1 mix ratios.
	98667 98668	10 500	200/400 ml Square Mix Nozzle, Threaded Bell End 114.5 mm², 187 mm Overall Length, 24 elements; 1:1, 2:1 ratios.
	98456 1053262	10 2,000	200/400 ml Mix Nozzle, Stepped Tip, 7.3 in. Overall Length, 6.3 mm diameter, 24 elements; 1:1, 2:1 mix ratios.
	98457 98464	10 1,500	200/400 ml Mix Nozzle, Stepped Tip, 8.8 in. Overall Length, 8 mm diameter, 24 elements; 1:1, 2:1 mix ratios.
	930705	1,000	200/400 ml Mix Nozzle, Stepped Tip, 10.9 in. Overall Length, 10 mm diameter, 24 elements; 1:1, 2:1 mix ratios.
	989516	50	200/400 ml Mix Nozzle, 7.4 in. Overall Length, 0.188 in. ID, Stepped Tip, 32 elements; 1:1, 2:1 and 4:1 ratios.
	989518	10	200/400 ml Mix Nozzle, 9.0 in. Overall Length, 0.188 in. ID, Stepped Tip, 48 elements; 1:1, 2:1 and 4:1 ratios.
	918088	10	200/400 ml Mix Nozzle, Luer Tip, 9.5 in. Overall Length, 0.25 in. ID, Slip Luer, 32 elements; 1:1 and 2:1 ratios.
	1032026 1032028	10 1,200	200/400 ml Mix Nozzle, 11.3 in. Overall Length, 8 mm diameter, 32 elements; 1:1, 2:1 mix ratios. NEW

[Loctite® Brand Static Mix Nozzles & Accessories]

LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE QUANTITY	DESCRIPTION
MIX NOZZLES FOR 200 ML & 400 ML DUAL CARTRIDGES (CONTINUED)			
	98672 98430	10 500	200/400 ml Mix Nozzle, Stepped Tip, 14.2 in. Overall Length, 9.3 mm diameter, 40 elements; 1:1, 2:1 mix ratios.
	1145744	10	200/400 ml Mix Nozzle, 7.5 in. Overall Length, 10.6 mm ² , V-Notch Tip; 1:1, 2:1 ratios.
	98469 98367	10 1,000	200/400 ml Snap Tip Mix Nozzle, 9.3 in. Overall Length, 9.3 mm diameter, 24 elements; 1:1, 2:1 mix ratios. For use with Ribbon Tips.
	1228790	1,000 NEW	200/400 Stepped Tip Mix Nozzle, 8.5 in. Overall Length, 13 mm ID, 18 elements; 1:1, 2:1 mix ratios
MIX NOZZLES FOR 200 ML & 400-F ML DUAL CARTRIDGES			
	1084255 1076341	10 1,200 NEW	200/400 ml 4:1 Cartridge Mix Nozzle, 9.2 in. Overall Length, 8 mm ID, Stepped Tip, 24 elements; and 490 ml 10:1 ratios.
	1084092 1084093	10 900 NEW	200/400-F Cartridge Mix Nozzle, 11.2 in. Overall Length, 10 mm ID, Stepped Tip, 24 elements; 4:1, 10:1 ratios.
MIX NOZZLES FOR 300 ML SINGLE AXIS DUAL CARTRIDGES			
	1100962	3 NEW	300 ml Single-Axis Cartridge Mix Nozzle, 10 in. Overall Length, 11.2 mm ² , Threaded Tip; 20 elements.
	1100963	3 NEW	300 ml Single Axis Cartridge Mix Nozzle, 15.3 in. Overall Length, 14.3 mm ² , Threaded Tip; 19 elements.
MIX NOZZLES FOR 490 ML DUAL CARTRIDGES			
	98460	10	490 ml Mix Nozzle, Stepped Tip, Keyed, 9.1 in. Overall Length, 8 mm diameter, 24 elements; 4:1, 10:1 ratios.
	98461 98409	10 1,000	490 ml Mix Nozzle, Stepped Tip, Keyed, 10.8 in. Overall Length, 10 mm diameter, 24 elements; 4:1, 10:1 mix ratios.
	1130330 1130329	10 1,800 NEW	490 ml Stepped Tip Mix Nozzle, 7.2 in. Overall Length, 8 mm ID, 18 elements; 10:1 mix ratio
SPRAYABLE CERAMIC MIX NOZZLES			
	1248606	10 NEW	200/400 Spray Tip Mix Nozzle, .25 in. ID, 24 elements for use with sprayable ceramic materials
MIX NOZZLES ADAPTERS			
	98458 970655	10 2,000	Luer-Lok® Adapter for 6.3 mm and 8 mm Stepped Tip Mix Nozzles, allows for Dispense Needle Attachment (10 pack). Mix Nozzles and Dispense Needles sold separately.