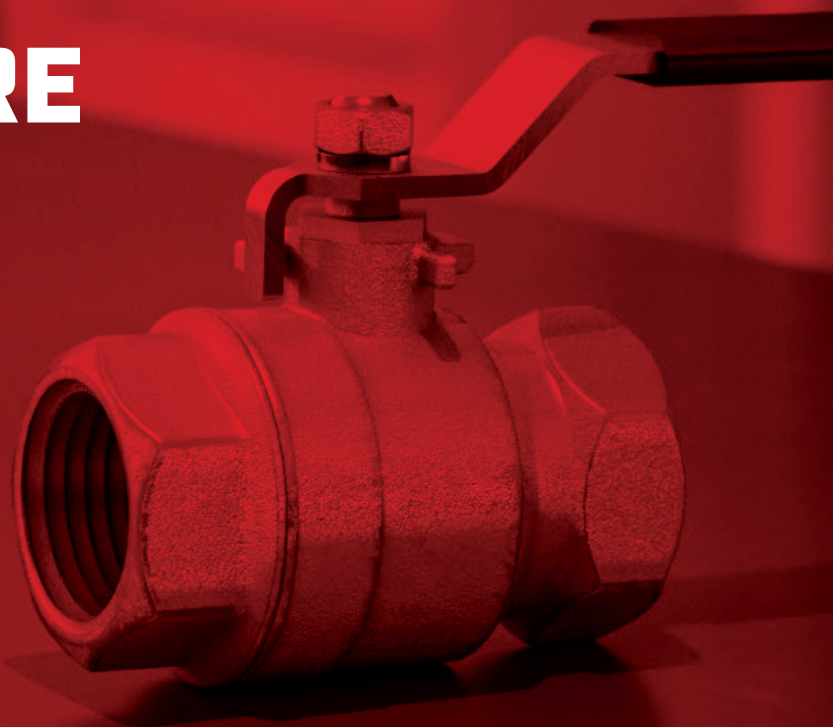


**LOCTITE®**

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**ADHESIVE  
& SEALANT  
SOLUTIONS  
THAT STOP  
LEAKS BEFORE  
THEY START.**



**Henkel**

# LOCTITE® ADHESIVES AND SEALANTS

## Solving leak problems. Ensuring peace of mind.

Leaks are a significant and common problem for Manufacturing, Assembly, Installation, and Maintenance professionals. While a certain amount of leakage used to be accepted in the past, leaks are no longer tolerated in today's marketplace. With our technical knowledge, industry experience and innovative sealant and adhesive technologies, we examine the source and help you design new solutions that impact your business.



### PROTECTS YOUR BRAND REPUTATION

Better leak prevention and product reliability. Fewer warranty claims.



### LOWERS YOUR COSTS

Eliminating costs associated with traditional fastening and sealing technologies.



### IMPROVES YOUR COMPETITIVENESS

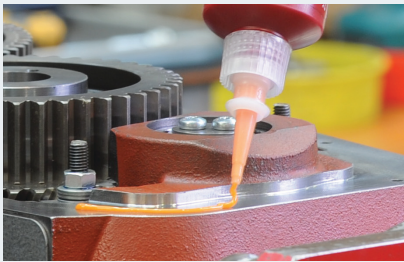
Separating your product performance from others. Newfound design freedom fosters innovation.

## Solutions for today's challenges.



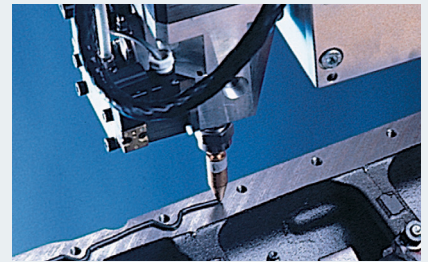
### INCREASED RELIABILITY

Thread sealing applications call for higher temperatures, higher pressures and resistance to harsher chemicals. Demands for increased reliability have pushed the boundaries of conventional sealant technology which LOCTITE® sealants have overcome.



### LEAK PREVENTION

Pre-cut gaskets have a limited ability to fill in surface irregularities and create a seal. LOCTITE® liquid gasket material can flow into surface irregularities and create a leak-free seal.



### PROCESS OPTIMIZATION

Henkel offers various dispensing and curing equipment that can be easily integrated into your manufacturing process to increase efficiency and throughput. Equipment includes manual or pneumatic, portable or stationary, and pressure-time or volumetric dispense systems.

## A trusted partner in leak prevention.

LOCTITE® adhesives and sealants are engineered to meet a broad range of fluid processing applications. With our world-class, innovative product technologies and our extensive industry experience, Henkel can help you optimize product performance and reduce overall costs.



# SOLUTIONS FOR A WIDE RANGE OF NEEDS

## Our range of solutions.

### Thread Sealing

#### SEALING THREADED COMPONENTS

- Seals against aggressive fluids / high pressure
- Prevents corrosion
- Suitable for all thread types
- Can replace or augment seals & o-rings
- Adjustable joints / no re-torquing necessary

#### BENEFITS

- Improved reliability / extended life expectancy
- Lower service and repair costs
- Fewer parts / lower inventory costs

### Retaining

#### SECURING CYLINDRICAL ASSEMBLIES

- Allows higher load transfer with existing designs
- Prevents fretting corrosion and micromovements
- Replaces mechanical fasteners
- Allows slip fits / replaces or enhances interference fits

#### BENEFITS

- Reduced costs
- Increases reliability for longer product life
- Cost-efficient designs (fewer components / reduced tolerance)
- Higher mechanical strength

### Gasketing

#### SEALING FLANGES

- 100% metal to metal contact – no leakage
- Fills surface defects
- Helps reach high IP rating
- No gasket relaxation nor displacement
- Can replace compression gaskets and o-rings

#### BENEFITS

- Lower inventory costs and complexity reduction – eliminate need to store different gasket types
- Increased reliability / product life

### Structural & Instant Bonding

#### JOINING AND SEALING DISSIMILAR MATERIALS

- Fill gaps, allow wider tolerances
- Prevent stress concentration from traditional joining methods

#### BENEFITS

- Flexibility in substrate design
- Fewer parts, simpler design
- Lower cost, lower weight
- Super fast-curing grades available

### Threadlocking

#### LOCKING THREADED FASTENERS

- Locking against vibration – no bolt loosening
- Fill all voids – prevent relative movement
- Prevents corrosion
- Replaces traditional mechanical locking devices

#### BENEFITS

- Improvement / preservation of clamp load
- Improved reliability / extended life expectancy
- Lower service and repair costs

### Complementary Solutions

To complete the product portfolio across the entire value chain, Henkel offers various other solutions to cover your needs:

**LOCTITE® anti-seize** products to protect parts against rust, corrosion, seizing and galling, and for lubricating parts.

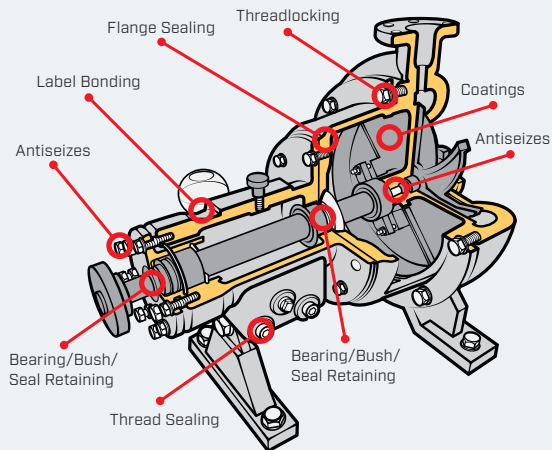
**LOCTITE® potting and encapsulating compounds** to fill large voids, and protect components from exposure to chemicals, moisture, shock and vibration.

**LOCTITE® cleaners** for parts cleaning prior to bonding

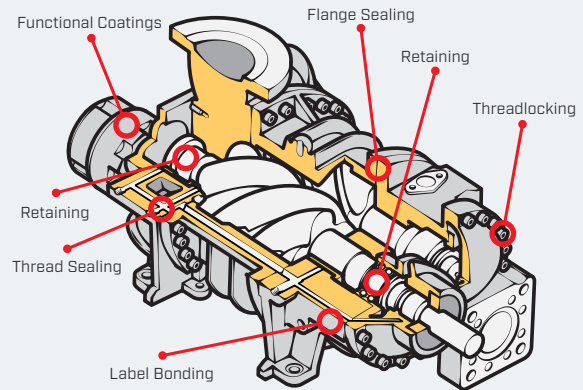
**BONDERITE® cleaners** to clean and protect parts during all phases of your manufacturing process

## For a range of fluid processing devices.

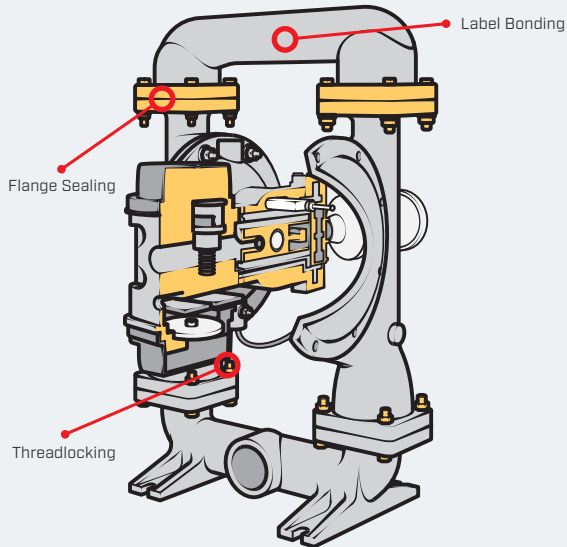
### CENTRIFUGAL PUMP



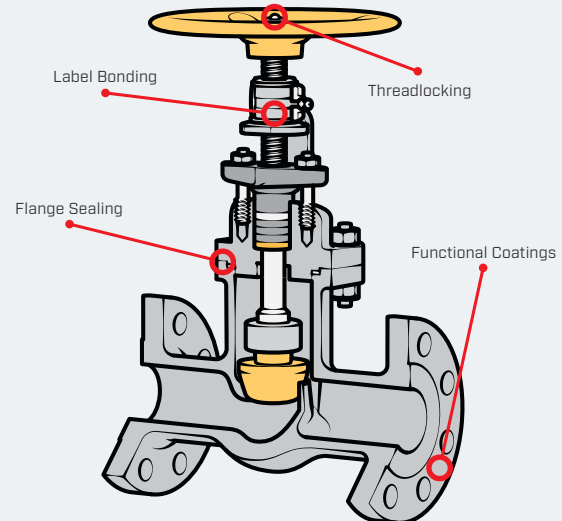
### COMPRESSOR



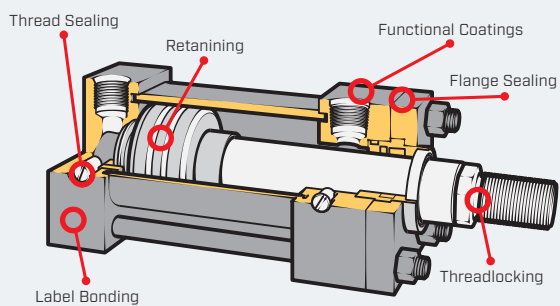
### DIAPHRAGM PUMP



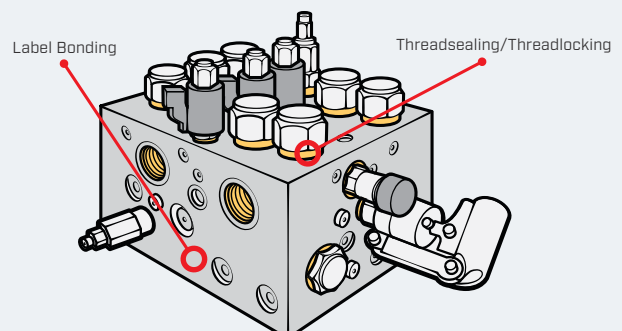
### GLOBE VALVE



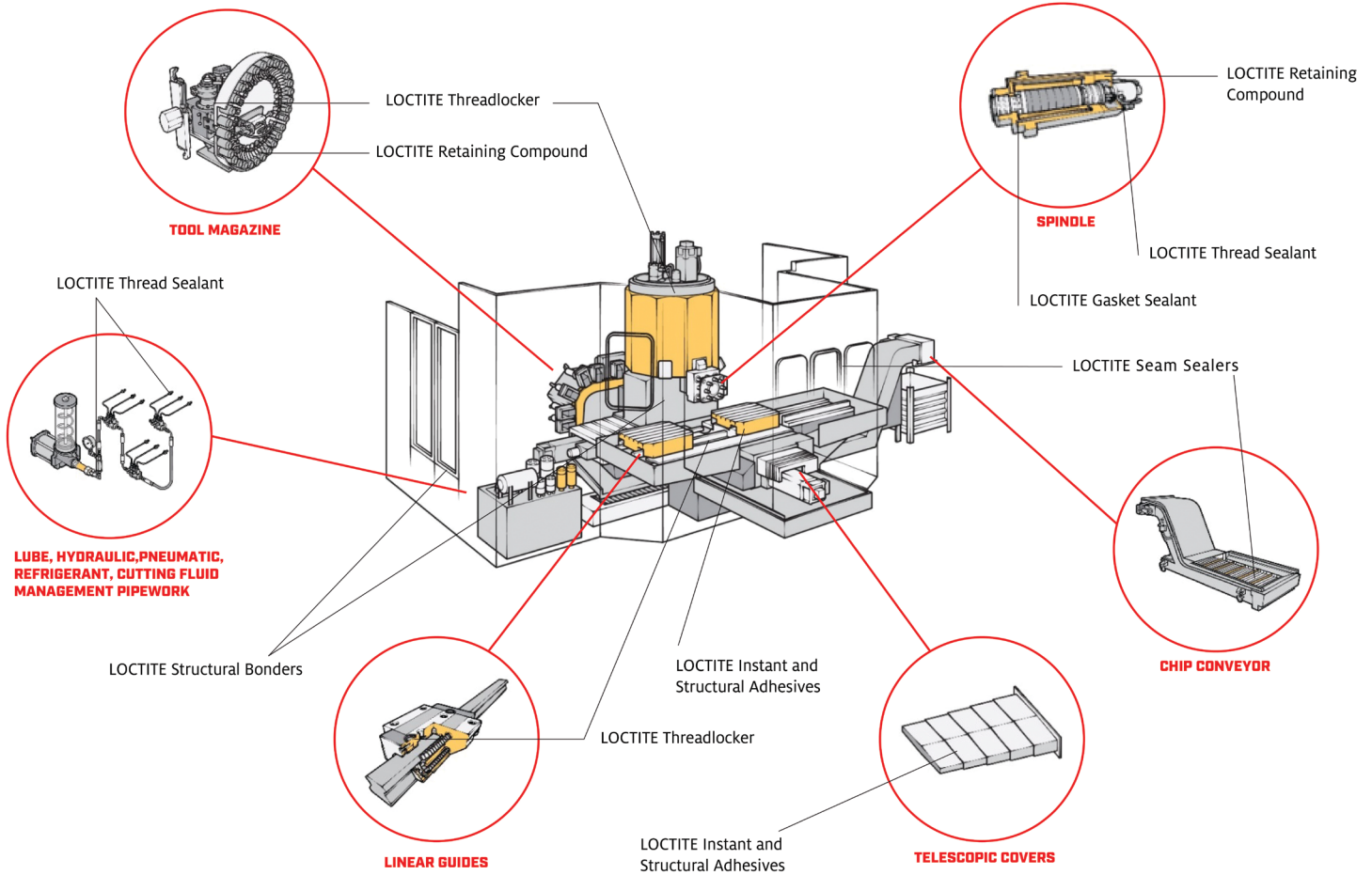
### ACTUATOR



### VALVE MANIFOLD



# SPECIFIC SOLUTIONS FOR MACHINERY ASSEMBLY



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## Improve your machinery, robots and automated lines.

Incorporating new materials, new designs in guards, doors, windows and structures (e.g. bed and frame) to make them lighter while performing better

Using much faster and more reliable sealing systems for all media and working conditions

Reducing vibration and noise

Improving the accuracy and reliability of the mechanisms (e.g. rollers, shafts, flanged couplings or bolted joints) with sustainable solutions

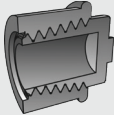
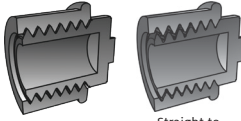
Using faster and certified installation alternatives

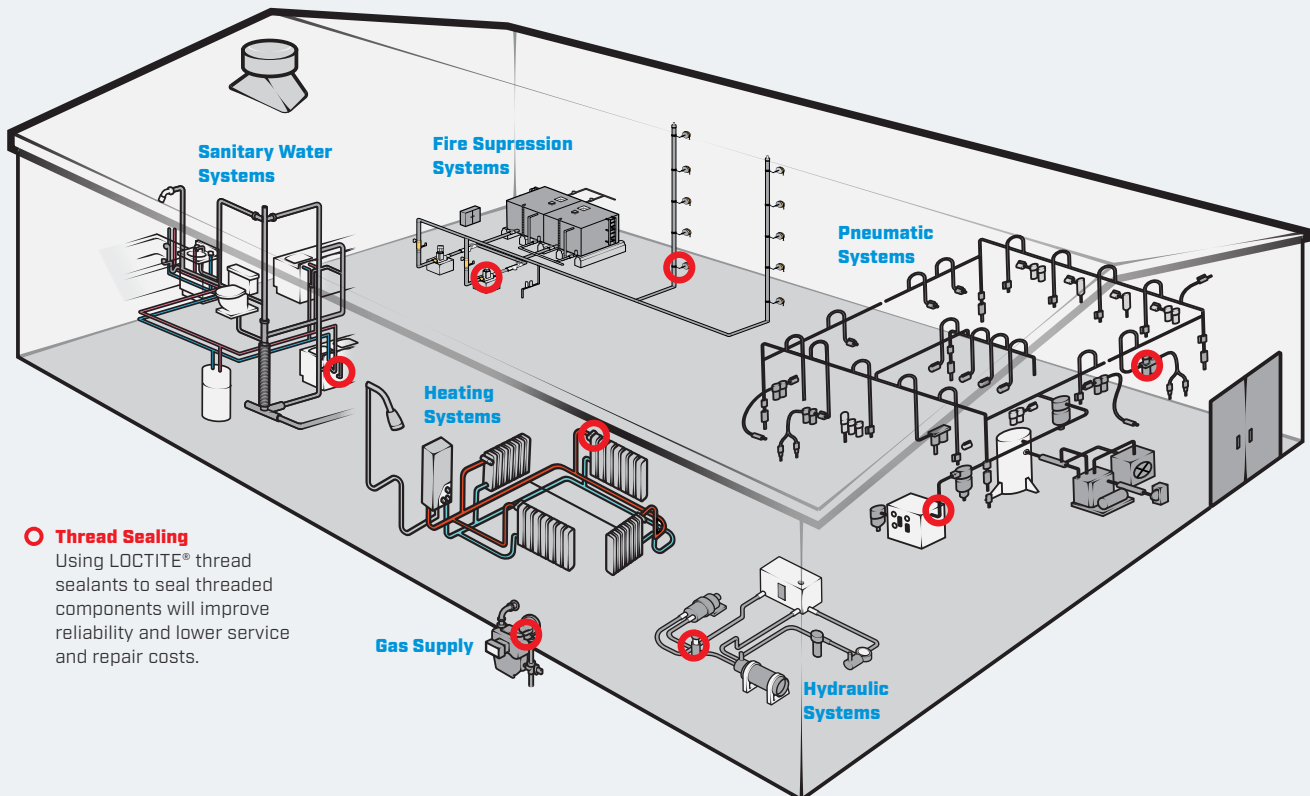
Introducing new faster assembly and maintenance operations (e.g. wear liners, sacrificial wearing coatings, rubber seals)

## Facilities professionals in any industry can rely on.

LOCTITE® adhesives, sealants, lubricants and other repair products to increase equipment reliability, reduce downtime, and minimize equipment failures.

### LOCTITE® THREAD SEALANT PROPERTIES CHART

Product	Thread Type	Appearance	Typical Use	Max Thread Size	Breakaway Torque	Instant Low Pressure Seal	Fluorescence	Service Temperature Range	Part No./ Container Size	Agency Approvals
LOCTITE® 567™	 Tapered Thread	Opaque paste	Controlled strength for tapered threads	M80 or 3" NPT	8 Nm*	Yes	No	-55 to 250°C (-65°F to 480°F)	2087067 50 ml 2087069 250 ml	CSA, CFIA, ABS NSF/ANSI 61, UL, ULC
LOCTITE® 577™	 Straight Thread Straight to Tapered Thread	Yellow paste	Medium strength for straight threads	M80 or 3"	15 Nm**	Yes	Yes	-55 to 180°C (-65°F to 355°F)	2068749 50 ml 2068748 250 ml	NSF P1, DVGW





**Henkel Corporation**  
**Engineering Adhesives**  
**[www.na.henkel-adhesives.com/fluidprocessing](http://www.na.henkel-adhesives.com/fluidprocessing)**  
**[www.loctite.com](http://www.loctite.com)**

**U.S.A.**  
**Henkel Corporation**  
Engineering Adhesives  
One Henkel Way  
Rocky Hill, Connecticut 06067  
Tel: 1.800.LOCTITE (562.8483)  
Tel: 860.571.5100  
Fax: 860.571.5465

**Canada**  
**Henkel Canada Corporation**  
Engineering Adhesives  
2515 Meadowpine Blvd.  
Mississauga, Ontario L5N 6C3  
Tel: 1.800.263.5043 (within Canada)  
Tel: 905.814.6511  
Fax: 905.814.5391

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