



# Case Studies

xemex<sup>®</sup>



SKU: X1-B8-7S  
EAS: EDSQ08-7S

# Case Study

## xemex<sup>®</sup>

(ze'meks)

### Background

Region	United States (South)
Industry	General Manufacturing
Application	Rubber Bonding (Conveyor Belt Systems) Manual Applicator Bell-Style Cartridge (400 mL)
Formulation	2K Polyurethane



Slider-Bed TL 30" Conveyor System



X1-B8-7S

### Challenge

Customer faced **supply-chain issues** with existing mixer, **TAH 370-40**.

\*Re Mixers supply chain has remained unbroken throughout 2021

### Solution

Distributor sampled Xemex to customer for internal evaluation.

### Results

In sampling, customer discovered Xemex advantages:

- Improved **ergonomics**
- Reduced **material waste**

Customer purchased a year's supply of Xemex nozzles.



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# Case Study

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### Background

Region	United States (East)
Industry	Defense, Aerospace
Application	Tank Round Sealing Robotic & Manual Applicators Bell-Style Cartridge (200 mL)
Formulation	Huntsman ARALDITE 8503 Epoxy (1:1) 250,000 cPs



Armor-Piercing Tank Round

### Challenge

Manufacturer cited multiple mixing-related difficulties with traditional nozzles:

- Robotic applications **lacked adequate space**
- Manual applicators **lacked dexterity**
- Other mixers were seen as **wasteful**

### Solution

Distributor sampled Xemex and two other mixing options with **Huntsman ARALDITE 8503** for internal testing.

### Results

Customer tested all three mixers for performance and claimed that, **"Xemex won the gold medal"**.

Xemex also **solved robotic dispensing issues**, where longer mixers did not leave adequate clearance for automation.



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# Case Study

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### Background

Region	United States (Midwest)
Industry	Electronics Manufacturing
Application	PCB Potting/Encapsulation Manual Applicator Bell-Style Cartridge
Formulation	ResinLab EP965LVLX Epoxy (1:1) 2,800 cPs



### Challenge

Supply-chain shortages forced switch to EP965LVLX. However, testing new material resulted in **soft spots** and **tackiness** when using previous mixers:

- EA250-32 (1/4" x 32 TAH Helical)
- EA187-32 (.187" x 32 TAH Helical)
- EA300-006 (7.5mm x 24 Quadro)



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### Solution

Distributor sampled Xemex for in-house testing at customer's facility.

### Results

After testing all four mixers, customer concluded that, "**Xemex was the only suitable solution**".

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Engineering Services  
Attachment Technologies  
Industry 4.0 Solutions



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# Case Study

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(ze'meks)

### Background

Region	United States (South)
Industries	General, Electronics
Application	Potting & Sealing (Water Meter Registers) Pneumatic Applicator Bell-Style Cartridge (400 mL)
Formulation	Henkel Loctite Urethane (2:1) Viscosity: 900 cPs Short Pot Life: < 10 min



Compound Register

Residential Meter

### Challenge

Multiple issues were cited by manufacturer:

- Mixer lengths made dispensing **difficult for operator**
- Previous mixers were viewed as very **wasteful**

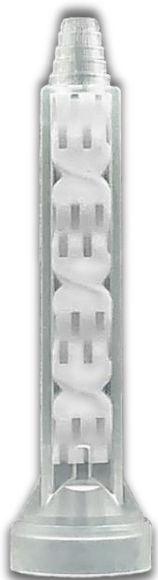
### Solution

Distributor sampled Xemex for in-house testing. Customer verified mixing performance with hardness and lap-shear testing.

### Results

Customer purchased Xemex for their production of industrial and residential water meters, citing the following reasons:

- Greater **versatility**
- Improved **ergonomics**
- Reduced **material waste**



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