

# Pre-Mixed Frozen Syringe Packaging



**Epoxy Technology Inc.**, a global leader in formulating and manufacturing specialty adhesives for over 50 years, offers Pre-Mixed and Frozen (PMF) syringes worldwide through our Packaging Centers of Excellence in **North America**, **Europe** and **Asia**.

Our state-of-the-art laboratories utilize specialized equipment, designed to precisely mix and properly package EPO-TEK® adhesives. Syringes are offered in many sizes and fill quantities, which are then frozen at – 40°C to minimize loss of pot life.

PMF's have been crucial to many high reliability applications such as: military and medical designs. They are quickly becoming an industry standard in several application areas.

## Why Use EPO-TEK Pre-Mixed and Frozen (PMF) Syringes?

- \* 100% Material Traceability
- \* Consistency/Repeatability (lot to lot)
- \* Uniformity (syringe to syringe)
- \* Reduce Waste
- \* Reliability/Dependability (precision mixing)
- \* Time Savings/Convenience (thaw and use)
- \* Reduced Risk of Cross Contamination

## Why Use Epoxy Technology Packaging Centers of Excellence?

- \* Highly trained and skilled packaging team
- \* ISO 9001-2008 certified companies
- \* Climate and humidity controlled laboratories
- \* Specialized packaging methodology/equipment
- \* QC testing of materials before and after packaging
- \* Industry leader in epoxy formulation
  - extensive knowledge of adhesive product chemistry and best handling
- \* Conveniently located packaging laboratories (**North America, UK, Malaysia & China**)
  - Ease of local contact and shipping
- \* Flexible with both standard and customized offerings:
  - Spacers
  - Dyes
  - Fluorescent additives



# NORTH AMERICA

**H**eadquartered in the greater Boston area, Epoxy Technology has 50+ years of experience in epoxy formulations combined with expertise in the packaging of our specialized adhesives.

By understanding the unique chemical aspects of our highly engineered formulations, we are able to apply important insights into optimal handling and packaging.

Through in-depth designs of experiments (DOEs) to optimize packaging, our skilled team has developed “Best Practices” for precision handling, mixing, and packaging of our specialized adhesives, with our custom designed packaging equipment.

## What Does Our North America Packaging Lab Offer:

- Highly skilled and experienced team, locally based in Boston area
- Tight control of mix ratio for ideal properties
- ISO 9001:2008 certified
- Fully GHS compliant labeling
- 100% traceability
- Standard and customized syringes

**EPOXY**  
\* TECHNOLOGY



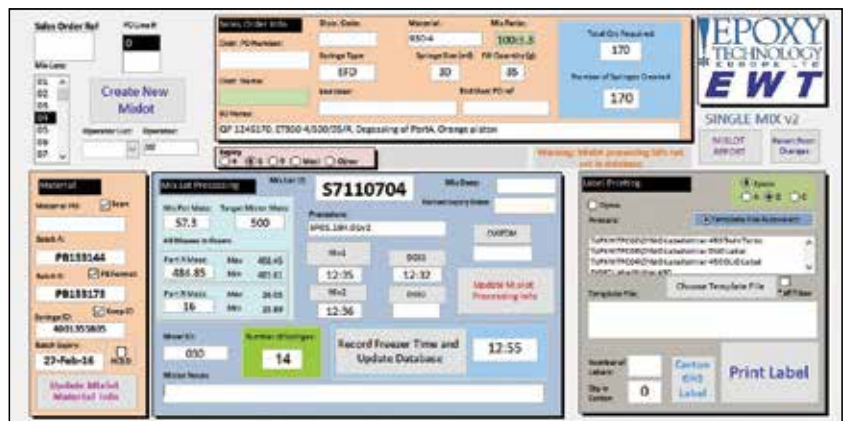


**S**ince 2010, European packaging of EPO-TEK materials has been performed in a customized UK laboratory located in Marborough, England, initially wholly-owned by our UK distributor, John P Kummer, Ltd.

After years of close collaboration, Epoxy Technology purchased a majority share of this packaging facility, now called Epoxy Technology Europe Limited (ETEL).

European customers have come to rely on the skilled ETEL team for their exacting production parameters. These experienced experts have packaged over a half of a million syringes in this facility.

Due to the increasing demands for PMF syringes in Europe, ETEL has recently expanded their laboratory space in order continue to meet both the quality and the timeliness their customers have come to expect.



Screen shot of packaging database showing traceability

## What Does Our ETEL Packaging Lab Offer:

- Highly skilled, experienced team, locally based in UK
- ISO 9001:2008 certified
- 100% traceability
- Flexible offering of both standard and customized syringes and cartridges
- Fully GHS compliant labeling
- Expanded packaging and QC labs



# ASIA PACIFIC

**O**ur newest, approved and qualified syringe packaging laboratories in Asia are located in Shanghai and Suzhou, China as well as Penang, Malaysia. These laboratories are wholly owned by our regional distributors, and have been fully audited by Epoxy Technology, Inc.



*Packaging Center of Excellence*

Our EPO-TEK packaging team, working closely with our local distributor's staff have standardized and reviewed all packaging procedures at the above locations and have certified them as authorized "Packaging Centers of Excellence", meeting our worldwide criteria.

With local packaging and shipping, it is now easier, more timely and cost effective for many manufacturing sites in Asia to use our PMF in their large production facilities.

## What Does Our Asia Pacific Packaging Lab Offer:

- Local contacts and local shipping
- Labs located in both Malaysia and China
- Consistent quality and reliability
- Minimal material waste for cost effectiveness
- Trained and audited by Epoxy Technology personnel
- Reduced risk of cross-contamination and exposure to hazardous materials



## Corporate Overview

Epoxy Technology, Inc. (EPO-TEK®) is a global leader in adhesives since 1966. We have a full line of Specialty Optical, Thermally Conductive (TCA), Electrically Conductive (ECA), UV and UV Hybrid Adhesives.



For additional information, please visit [epotek.com](http://epotek.com) or e-mail us at: [techserve@epotek.com](mailto:techserve@epotek.com)

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