



## Customer Success Story | Threaded Rods

# Replacing Traditional Lumber Crates with a Cost-Efficient Option



## Challenge

Keystone Threaded Products, a manufacturer of precision threaded rod products, faced significant challenges with their existing packaging solutions. The traditional lumber crates they relied on had become untenable due to several factors. The quadrupling of lumber prices, driven by COVID-19 shutdowns, wildfires, and staff shortages, had drastically increased costs. Additionally, these crates provided inadequate protection for their products during transportation. With Keystone's products being exceptionally long, the packaging needed to meet specific requirements to provide protection throughout the transportation cycle.



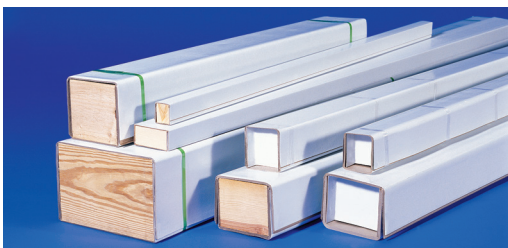
## Solution

Signode's Engineered Solutions design team, in collaboration with Crown Packaging, suggested customized Reddi-Crate® laminated paperboard shipping crates to replace the existing wooden crates. Reddi-Crate shipping crates, with preformed profiles and end closures, create a container with beam strength and protection throughout the shipping cycle. A thorough evaluation revealed that the Reddi-Crate solution, outperformed their current wooden crates in both protection and cost-efficiency. The lighter weight reduced shipping costs, and its smooth laminated surface allowed Keystone to incorporate company branding. Signode also trained Keystone's shipping department to streamline the loading process with their new Reddi-Crate containers.



## Products Utilized

- Reddi-Crate® Laminated Paperboard Shipping Crates



## Optimal Outcomes

- Outperformed traditional wooden crates
- Reduced shipping costs
- Streamlined process of loading shipping containers

Cost Focus

Protection Focus



### UNDER PACKING

### OPTIMAL OUTCOMES

### OVER PACKING

Protect your product and optimize your packaging investment

## Our Process

#### Conduct On-Site Audit

We conduct an on-site review of your packaging lines and modes of transportation to understand your challenges and opportunities for improvement.

#### Design Optimal Solutions

We supply equipment, packaging consumables, load securement and process recommendations that are field tested in our ISTA-certified labs for validation.

#### Execute the Concept

We work with you to implement protective consumables, commission equipment, set up automation, and provide training for your team.

#### Service and Support

We facilitate service and operator training, schedule preventative maintenance, and provide on-site support to maximize uptime.



#### Packaging Technologies

Protect and stabilize goods in transit with our end-of-line packaging equipment, tools and consumables.

#### Protective Packaging

Customized product packaging and solutions designed to secure your loads during transportation.

#### Automation Solutions

Increase efficiency, enhance productivity and throughput with automation solutions.

#### Reliability Services

Comprehensive support to meet the service demands of today and tomorrow.

## Our Portfolio

## THE RESULT

Signode delivers the lowest total cost of ownership and the highest overall equipment effectiveness; optimizing product protection, in-house automation and ROI.



To learn more about Signode's innovative solutions, package testing and service capabilities, schedule an assessment or initiate a proposal for a current application, visit [www.signode.com](http://www.signode.com).