

Our envelopes and curing tubes

RAISE THE BAR

with the best raw materials and production methods to

LOWER THE COST

per cure for your retreading business.



Retreading Products from Robbins LLC



THE ROBBINS COMMITMENT TO YOU

Robbins LLC, a HEXPOL company, is the leading global provider of quality outside and inside envelopes, curing tubes, and retreading accessories.

We help you – our valued customer – provide your customers with the best retread tires available. That's **The Robbins Commitment**. Backed by our durable, high-performance envelopes and curing tubes, comprehensive training, and personalized customer service.

Our commitment to you – your trust in us.

YOU WIN...WE LOSE

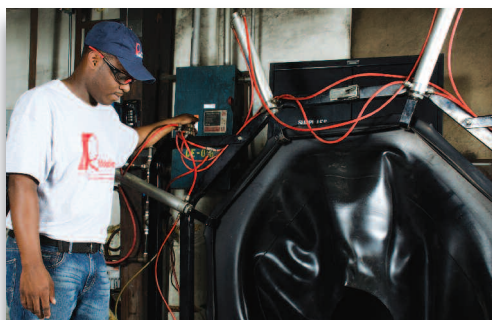
When using the retreading industry's best envelopes **You Win** by saving money with more cures. **We Lose** because we'll sell fewer envelopes. Maybe. We're betting you'll keep coming back for the quality products and premier service you expect from Robbins – that's a big win for everyone.



If you want to increase productivity and decrease faulty cures to improve your bottom line, put Robbins envelopes and curing tubes to the test.

Robbins envelopes last longer than any other envelope on the market and consistently deliver the lowest cost-per-cure. The compounds in our envelopes and curing tubes are made from premier raw materials.

Robbins retreading products are **Made in the USA** with our proprietary and advanced Compression Molding Technology (CMT). They are tested and proven for all precure systems and curing temperatures. We monitor all levels of production, from raw material certification to mixing and production. Robbins envelopes and curing tubes are fully inspected before packaging and delivery.



Robbins is known for extensive lab testing (top photo), from raw material certification to mixing and production.

Post production quality testing of envelopes (bottom photo) includes testing for all parts of the envelopes.



Precision-engineered slugs of rubber are carefully placed inside the envelope mold as part of our proprietary Compression Molding Technology (CMT).

Robbins has you covered, wherever you are. Our network of global distributors provides a readily available inventory of Robbins envelopes, curing tubes, and retread accessories, as well fast and dependable service. Let our customer service staff put you in touch with a distributor near you.

Robbins provides more envelopes and curing tubes globally than any other manufacturer. Whether for passenger vehicles, light trucks, medium- and heavy-duty trucks, or OTR tires, we've got you covered. Michelin® Retread Technologies, Bandag®, Bridgestone® Commercial Solutions, and Goodyear® are a few of the industry's leading companies that turn to Robbins for retreading solutions.



Collaborating with our customers, we find ways to help improve retreading products and increase your productivity while lowering cost-per-cure. **That's a big win for everyone.**

Robbins Retreading Advantages

■ Lowest Cost-Per-Cure

- Durability/Longer Life
- Flexibility/Performance
- Compatibility/Inside & Out

■ Technically Advanced

- A Dedicated ISO 9001 and ISO 14001-Certified Facility
- Quality – The Robbins Commitment
- Part of HEXPOL, a \$1.3+ Billion a year Company



CMT mold ready for loading and envelope curing.



A Robbins operator loading the mold using advanced Compression Molding Technology.

ROBBINS ENVELOPES – YOUR CMT ADVANTAGE

Robbins has the world's most comprehensive range of outside, inside, and OTR envelope sizes.

Our unique Compression Molding Technology (CMT) uses proprietary rubber compounds that are extruded into slugs and placed into a mold for curing. This advanced technology eliminates splicing the envelope, increasing durability, flexibility, and production life.

CMT durability means:

- Longer envelope life, resulting in a lower-cost-per cure
- Gauge consistency for uniform envelope thickness
- Thicker skirt and bead, more resistant to abrasion defects
- Designed thickness around the valve and in the crown
- Factory lubrication that extends envelope life

CMT flexibility means:

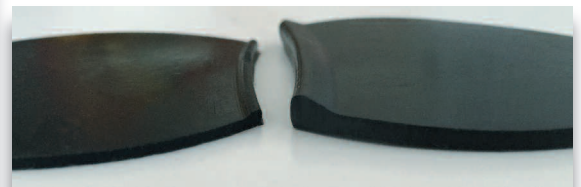
- Better fit and better performance
- Minimized envelope growth
- Maximized damage resistance
- Tear resistance from j-hooks and spreaders
- Retained pliability throughout the envelope life
- Superior holding pressure to keep a seal during entire curing process



Factory lubrication extends envelope life.



Robbins envelopes are fully inspected before packaging and delivery.



New envelope design has a 43% thicker skirt and a larger, tapered bead, while maintaining elasticity.

Over 90 Years of Rubber Industry Experience

Robbins is the leader in tire retreading products. Here are some milestones that helped us set the standard in the retreading industry.

Founded as Robbins Tire and Rubber Company by Stanley Robbins.

1921

Started as a manufacturer of inner tubes and would soon become a major international supplier of retreading materials.

1920s

Added tread rubber and curing tube production.

1950s

Robbins Accu-Fit CMT™ outside envelopes increase a shop's retreading productivity, reduce temperature variations inside the curing chamber, and improve retread appearance. They help create a perfect vacuum in the curing chamber to help ensure a strong bond of the tread to the tire.

Accu-Fit II / Inner-Lope® envelopes, used with inside/outside envelope systems, ensure a strong precure seal and inner liner protection. They deliver better-molded repairs to the tire body, including the bead area. Accu-Fit II molds to the tire body, delivering uniform curing pressure and heat on the tread and tire body for maximum bonding adhesion and less tread distortion.

OTR Envelopes from Robbins are best in class. Compounded with our proprietary formula, we have an array of custom OTR retread envelopes available in sizes from small industrial to large OTR. Our proprietary compounds minimize envelope growth, maximize damage resistance, and retain pliability throughout envelope life.



OTR envelopes being crafted.



Compression Molding Technology (CMT) from Robbins uses proprietary rubber compounds that are placed into a mold for curing, which eliminates splicing the envelope, increasing production life.

Added precure tread and envelope production.

Purchased Presti Rubber Company.

Moved production to Muscle Shoals plant using Compression Molding Technology (CMT).

Robbins LLC purchased by HEXPOL.

Robbins Continuous Improvement programs implemented.

1970s

2002

2002

2012

2015

ROBBINS CURING TUBES—LONG SERVICE LIFE

For retreaders who use curing tubes, Robbins manufactures high quality, heat-resistant curing tubes for both mold cure and precure systems. Curing tubes inflate the tire during the curing process and the heat resistance of our tubes results in a long service life without losing quality.

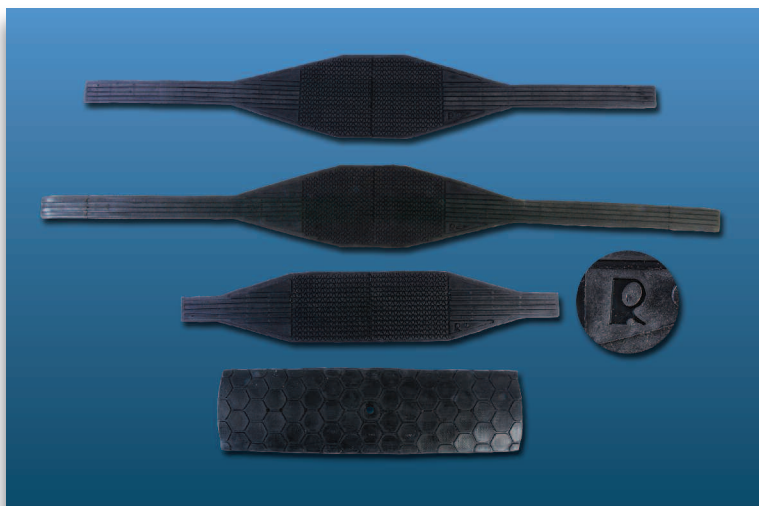
Our conventional Double Dot curing tubes are used in mold cure systems. Robbins Uni-Tube curing tubes are for bias-ply tires retreaded in precure systems that require a rim and tube.

Producing curing tubes that feature high quality and heat resistance for long service life.



Retread Accessories

Robbins is the one-stop source for your retread shop's envelopes, curing tubes, and accessories for producing quality retread tires. We produce and supply:

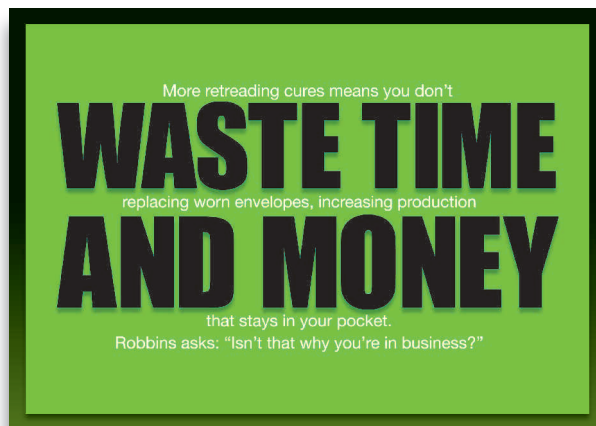


- Wick Pads—Made with the same high-heat resistant materials as our CMT envelopes
- Envelope Repair Kit—Complete with cement and instruction sheet for long-lasting repair of our envelopes
- Envelope Lube—Available in a variety of sizes
- Valves—Standard and Sure Seal models for Accu-Fit and Accu-Fit CMT
- Connectors—Sure Seal Nipple and Couple

Retread Compounding from the World's Leading Rubber Compounder: HEXPOL

Envelopes and curing tubes from Robbins outlast the competition. It starts with raw materials. HEXPOL, the leading global developer of rubber compounds, provides our proprietary formulations. As part of the HEXPOL family, the best compounds available are used in our products.

We also turn to HEXPOL to mix and formulate rubber compounds that we provide to our customers for their own mold cure or precure retread processing operations. Quality compounding from Robbins helps increase durability, extend mileage, and resist wear, so you can provide your customers with retread tires that perform like new ones.



Robbins Capabilities

- Design and Development
- Extrusion Line to Produce Slugs for CMT
- On-site Chamber for Design-Related Testing
- Flat Compression Presses
- CMT Presses for Outer Envelope Production
- Inner Envelope Presses
- Curing Tube Presses

Test chamber provides in-house testing capabilities for our retread products.



The inspection and packaging department at Robbins ensures retreading product quality before delivery. Put our envelopes and curing tubes to the test.

SAME GREAT SERVICE YOU EXPECT FROM HEXPOL

A Legacy of Excellence

HEXPOL is a leading global developer and manufacturer of quality polymer compounds. Our rich heritage embraces customer collaboration by sharing innovation and market knowledge to match the right compound with the application. We provide proprietary compounding solutions that address our customers' evolving needs, including:

- Rubber Compounding
- Rubber Roll Applications
- Silicone Compounding
- Specialty Product Additives and Color Concentrates
- Tire and Toll, Retreading Products
- Thermoplastic and TPE Compounding

HEXPOL legacy brands expand our global footprint, strengthen our technology leadership, and optimize our already superior customer service.



Rubber and Silicone Compounding:

Burton Rubber Processing
Colonial Rubber Works
Gold Key Processing
HEXPOL Compounding
HEXPOL Silicone Compounding
Kardoes Rubber

Retreading Products:

Robbins LLC

Roll Compounds:

Chase Elastomer

TPE:

ELASTO
Müller-Kunststoffe

Thermoplastic:

RheTech

When working with Robbins, you benefit from the resources of the global leader in rubber compounding. **The Robbins Commitment** to you, backed by our:

Durable, high-performance envelopes and curing tubes, comprehensive training, and personalized customer service.



Contact Robbins at 800-633-3312 or www.robbinsllc.com.

Visit the Robbins LLC website for an easy-to-use envelope selector guide and additional curing tube information.

ROBBINS ENVELOPES X CURES = \$™

