

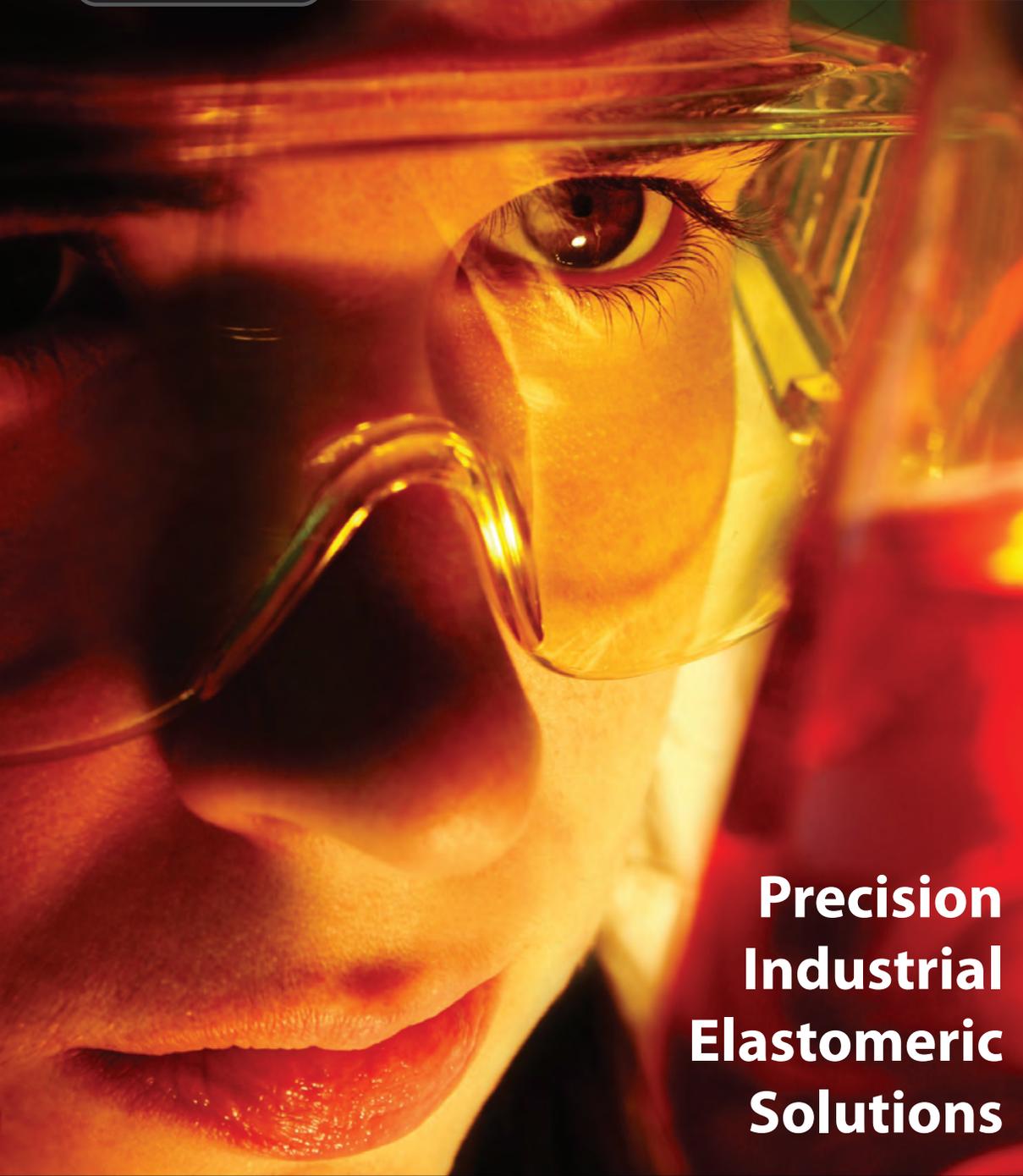


HOLZ

Rubber Company, Inc.

*If It's Rubber
We Can Make It*

Experience the Difference



**Precision
Industrial
Elastomeric
Solutions**



AEROSPACE
AND
DEFENSE



HVAC



AGRICULTURE



OIL AND GAS



PIPING



POWER



MINING



AMUSEMENT

Finding the Right Solution Begins with the Right Supplier.



Expertise

For more than 70 years customers around the globe have relied on Holz Rubber for polymer engineering and manufacturing expertise.

- Nobody knows more about applying polymer science to solve application-specific challenges.
- In-plant capabilities span the entire process from compound development to the design and machining of production tooling, to curing and strict quality control.
- Holz has a reputation for providing exceptional engineering expertise and *high quality manufacturing at competitive prices*.

Engineering

- Holz has the ability to design 100% of all required tools and fabricate many of those in-house.
- The depth and scope of machining equipment and highly skilled personnel to ensure tool quality at competitive prices - *on time*.
- Auto-Cad® and SolidWorks® drafting capabilities.
- Mold Design.
- Part Development Assistance.
- Compound Development.
- In-House Laboratory.

Customer Service

- Outside Sales force.
- Inside Customer Service.
- Access to Product Engineers.
- Global Supply Chain Management.

Laboratory Services

- Strict Quality Control utilizing Statistic Process Control (SPC) to ensure that each compound meets the customer and/or Holz specifications.
- Complete material and process certifications can be furnished upon request.

Research and Development

- R&D facilities are made available to customers, as required, for the development of products designed for their specific needs.
- Testing of different types of elastomers to ensure compatibility with customer applications requirements.



Documentation

The quality of a Holz manufactured product begins with documented written work instructions and continues through:

- Receiving inspection.
- Process controls.
- First article inspection.
- Final review of conformance to customer requirements.



Strict Quality Control

In-Plant Capabilities Ensure Unsurpassed Quality From Beginning To End

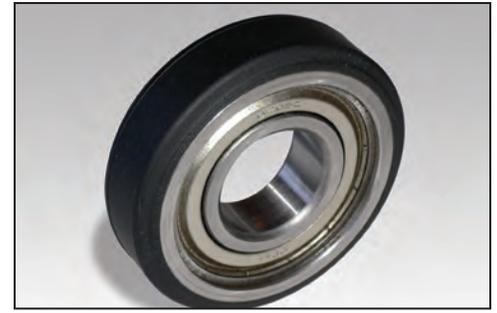
- Best commercial industry practices.
- Full compliance with MIL I-45208A (a "blue print" of ISO-9002).
- Rubber Testing for Uncured Properties.
- Rubber Testing for Cured Properties.
- Holz will formulate rubber compounds for your specific application.



CUSTOM PRECISION MOLDED PRODUCTS

Holz Rubber, through its Precision Molding Division, designs and produces turn-key rubber to metal parts for high-temperature, high-tolerance mission critical applications requiring high quality, precision, and traceability.

Typical applications include chemical processing, mining, and petrochemical industries. Holz experience in custom molding, bonding and turn-key services provide our customers with total quality management with job shop flexibility.



We make parts bonded with metal inserts.



We make ALL Rubber Molding.



We make parts weighing hundreds of pounds, or weighing just a few grams.



We make Turnkey Parts.



We make parts for Inset Sourcing.

Capabilities

We Make Parts:

- Weighing Several Hundred Pounds.
- Large Parts—With Large Cross Sections.
- Parts Weighing Just A Few Grams.
- Parts Bonded with Metal and or Plastic Inserts.
- Rubber Molding.
- Complete Turn-key Parts.
- Insert Sourcing.

Compound Development and Testing

- Natural/Gum.
- EPDM.
- Chlorbutyl.
- Hypalon.
- Viton/Fluroelastomer.
- Phenolic.
- Nitrile.
- Neoprene.
- SBR.
- AFLAS.
- Millable Urethane.

Holz works with virtually all types of rubber.

In addition, Holz can bond your parts with plastic or metal inserts.





Holz is the world leader in expansion joint technology and quality and one of the primary expansion joint manufacturers. Nobody knows more about rubber and fabric expansion joint technology:

- Factory-trained application design engineers.
- Field technical support.
- Quick turnaround.
- Emergency support.
- Traceable.
- Hand-built joints made in the USA.

Rubber Expansion Joints

Rubber expansion joints provide a time-tested way to convey fluids in both pressurized and vacuum systems.

Advantages of rubber over metal include:

- Improved resistance to fatigue and longer cycle life.
 - Metal joints fail at 2,000 cycles; rubber joints exceed 50,000 cycles.
 - Metal joints fail from vibration; rubber joints act as a dampener.
 - No danger from stress corrosion.
- Metal joints are subject to irregular cracks when there is a combination of stress and a corrosive element.
- Minimal Face-to-Face Dimensions.
 - Cost effective when compared to expansion bends or loops.
 - Lightweight.
 - Easy to position.
 - Lower installation costs.

In addition, Holz Rubber Expansion Joints offer some of the lowest spring rates and highest pressure ratings (up to 225 psi) in the industry allowing for greater movement and reaction forces. Rubber expansion joints are available in single and multiple arch designs.

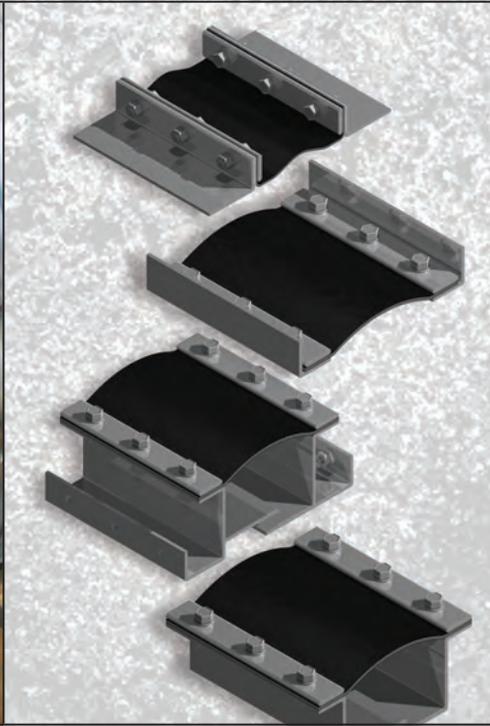


HOLZ Rubber®
The Expansion Joint Experts

Other key features include:

- DuPont® certified Viton.
- High and low temperature.
- Exceeds FSA (Fluid Sealing Association) Standards.





Fabric Expansion Joints

Holz Rubber is a leading supplier of fabric expansion joints serving the coal-fired power generation, gas turbine, marine, cement, incineration, nuclear, pulp & paper, refining, petrochemical and general industrial markets. Our commitment to research and development of high performance elastomers has led to a complete product offering to provide engineered solutions to the most severe air/gas handling applications.

- **Acts as a vibration isolator,** shock absorber and makes up for misalignment of adjoining duct equipment.
- **Resists Corrosion:** The superior corrosion resistance of various rubbers and fluoroplastics can extend the life of the expansion joint.
- **Withstands High Temperature.**
- Over 2000° operating temperatures.
- **Lower System Design Costs.**
 - Reduced number of expansion joints because of multi-plane movements.
 - Shorter face-to-face compared to metal.
 - Reduced use of toggles, hangers, guides, etc.
 - Engineering time significantly reduced.
- **Low Material Costs.**
 - The variety of elastomers and fluoroplastics available.
 - Allows the selection of the precise and least expensive material.
- **Lower Shipping and Installation Costs.**
 - Can be preassembled at Holz's manufacturing plant.
 - Lightweight.
 - Minimum field assembly required.
- **No Gaskets Required.**
- **Lower Replacement Cost.**
 - Minimal downtime.

POWER GENERATION



Holz Expansion Joints have been used and proven in severe applications since 1974.

- **Application-Matched Performance.**
Holz Rubber provides the highest quality elastomeric and fabric expansion joints in the industry.
- **Reinforcement.**
Reinforcement materials include alloy wire, fiberglass, aramid, polyester and flame retardant materials in either knitted or woven construction.
- **Insulation.**
High temperature insulating materials include engineered coated fabrics, needled fiberglass and non-ceramic blankets.
- **End to End Solutions.**
Holz has a complete product line to meet any severe duty application ranging from Economizers to Stack Breeching Ducts. Compounds include Neoprene, Chlorobutyl, EPDM, FKM, PTFE and Alloy Foil Barriers to meet any temperature or chemical challenge.
- **Single Source Accountability.**
Holz complete line of state-of-the-art expansion joints, coupled with thermal management products, unite to create the most flexible and longest lasting products on the market.



Rubber Lining

If your application requires that a protective coating or lining of rubber be applied to the inside surface of a container, pipe, tank, pump, or similar item to protect the metal surface from wear and/or corrosion, Holz has the technology and experience to fulfill your needs.



Rolls

Holz uses state-of-the-art technology to fabricate and grind precision rolls for a variety of applications, from walnut crushing rolls to steel mill rolls to lumber feed rolls. Worn rolls and pulleys can be stripped, built-up and re-machined when necessary, often providing a cost-effective option to the purchase of a new roll or pulley.



Pump Parts

Holz manufactures pump parts to maintain your wet-end equipment. *More than 800 parts, including parts for Ash and Galiger Pumps, are available and in stock for immediate delivery.*

SLIDE-LAG®

Lowers Maintenance Costs And Minimizes Downtime!

Holz manufactures the finest replaceable pulley lagging for Conveyors and Elevator Systems in the world. This original Holz Slide-Lag® product is made of a durable, long-lasting proprietary rubber materials providing unmatched wear and performance superiority.



Single Source Accountability

If It's Rubber, We Can Make It!



- Custom molding.
- Tooling design.
- Machine shop.
- Insert source.
- Roll building.
- Hand fabrication.
- Fabric Expansion joints.
- Elastomeric expansion joints.
- Flange work.
- Metal work.
- Phenolic parts.
- Custom fabrication.
- Rubber replication pump parts.



Our Vision:

Where all customers experience the difference through world-class service, quality, value and innovation.

Mission:

We will exceed customers' expectations through world-class manufacturing and distribution.

We work together to meet customer needs and innovate solutions.

We focus on safety, efficiency, productivity, managed growth, and fiscal responsibility.

Values:

At Holz Rubber, we value:

- Safety.
- Responsibility.
- Integrity.
- Optimism.
- Relationships.



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