

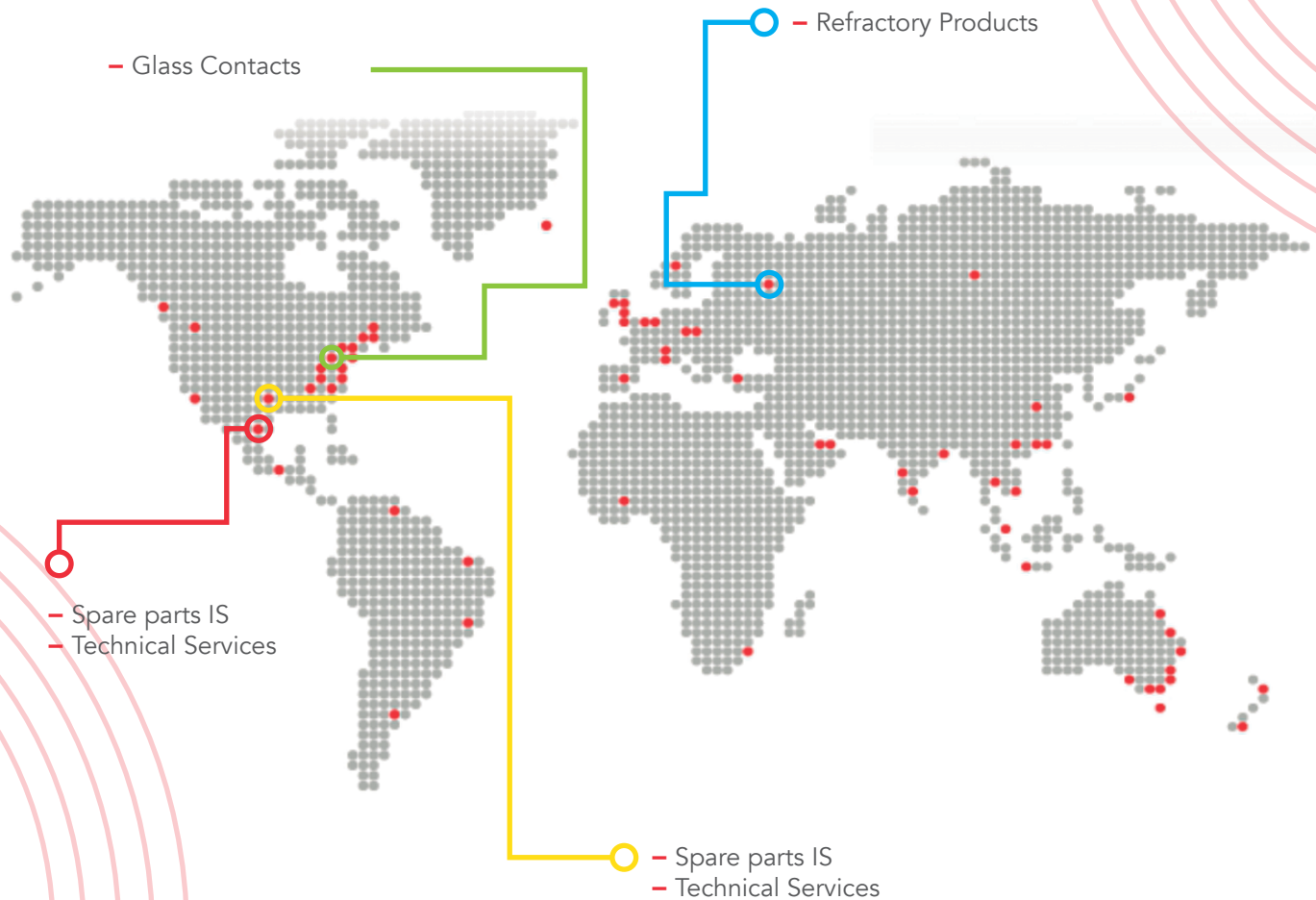
Pyrotek[®]

Pyrotek[®]

Global Supply with Local Service

80+ locations in 35 countries

- Six research and development centres
- Five engineering centres
- Global headquarters in Spokane, Washington, USA



About Pyrotek

Pyrotek® is a global engineering leader and innovator of performance improving technical solutions, integrated systems design and consulting services for customers in the aluminium industry. We are also investing and growing rapidly in areas such as glass, acoustic insulation, and advanced materials.

We have global resources and dependable local support in more than 35 countries with over 80 locations. Our products and solutions are in use around the world in automotive, aerospace, rail transportation and high-tech manufacturing.

Privately-owned since 1956, our deep-rooted values of integrity and collaborative problem solving uphold our mission to improve customer performance.

The Pyrotek Profile

Strong to Our Core
Current Company Size

- 300+ application engineers
- More than 35 countries with over 80 locations
- Business operations (fabrication, stocking, selling)

Financially Strong

- Privately, family-owned
- 60+ years of successful business
- Strong balance sheet with low debt/equality ratio



Industries We Serve

- | | | |
|-----------------------------|----------------------|--------------------|
| — Acoustic and Thermal | — Glass | — Oil and Gas |
| — Aluminium | — Graphite Materials | — Power Generation |
| — Battery | — Hearth | — Steel |
| — Building and Construction | — Industrial | — Transportation |
| — Carbides | — Lead | — Zinc |
| — Ceramics | — Marine | |
| — Foundry and Die Casting | — Mineral Processing | |

Mission and Vision

Our deep-rooted values of integrity and collaborative problem-solving uphold our mission to improve customer performance.

Our Mission

To provide innovative solutions to customer needs utilizing our global resources.

Our Vision

These values guide the way we do business:

- **Customer Satisfaction**
We serve customers and exceed their expectations.
- **Profitable Growth**
We use money wisely, as if it is our own.
- **Reliability, Quality and Service**
We focus on quality, cost, and speed to set us apart in the industry. We are as dependable on the first job as we are on the 1000th job.
- **Partnerships with Customers and Suppliers**
We continuously seek to improve our processes and offerings, and we value the contributions of others.
- **Employee Development**
We set high goals for ourselves and expect to achieve them.
- **Integrity**
Always, always, always have uncompromising integrity — we do the right thing even when nobody is watching.
- **Safety**
We don't compromise on safety.
- **Environmental Awareness**
We will treat the environment as a valued legacy for future generations.

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Overview



Durable Refractory Materials

Forehearth

Pyrotek offers a variety of solutions to help ensure increased production, reduced defects and consistent gob forming in the forehearth.

Pyrotek's expendable refractory parts withstand high-temperature environments and thermal shock, heavy wear and corrosion. Specially formulated materials help ensure durability and improve production performance. A variety of other related components are available, such as gob distribution parts.



Refractory and feeder components

- Burner blocks
- Cover blocks
- Orifice rings
- Orifice ring gaskets
- Orifice ring pans
- Plungers
- Shear blades
- Shear blade holders
- Shear spray
- Shear water wands
- Spouts and spout insulation
- Stirrers
- Tubes
- Tube races

Meeting a need

The production of glass containers is a complex process. The correct materials, equipment and ware handling parts are needed to ensure high-quality containers that are made consistently and defect-free. Pyrotek offers durable engineered components made from a variety of proven materials.

Maintaining an optimal melt-to-pack ratio, where the tonnage of material melted in the furnace matches the number of containers being shipped, is essential. Parts manufactured to exacting tolerances and timely delivery and service are also important factors.

With global resources and local support—more than 60 locations in 35 countries—Pyrotek is your partner for improving productivity in container glass production, from the furnace to the Lehr.

IS Machine Parts

Forming

The closing efficiency and design of IS machine hanger assemblies and components can impact glass container quality and production time. Pyrotek's patent-pending hanger design helps ensure consistent closing pressure, to reduce container seams and defects. A variety of other related components are available.

IS machine components

- Blank hangers
- Blank hardware studs, washers, pins
- Blank inserts
- Blank linkages
- Blank links and pins
- Blank saddle, bushings, bearings, posts
- Cooling wind mechanisms
- Invert arms
- Mould hangers
- Mould hardware pins, washers, bushings
- Mould inserts
- Mould linkages
- Mould links and pins
- Mould saddles
- Plunger adapters
- Plunger clips
- Plunger cylinder caps
- Toggle shafts





Ware Handling Parts

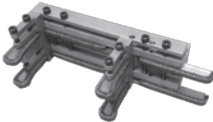
Ware Handling

Pyrotek conveyor parts and ware handling components feature a variety of durable contact materials that help reduce checks on vulnerable containers.



Ware handling components

- Deadplates
- Flight conveyor wear plates
- Lehr cross transfer plates
- Push-out/sweep-out paddles
- Push-out/sweep-outs
- Stacker bars
- Stacker bar contact materials
- Take-out arms
- Take-out heads
- Take-out holders
- Take-out inserts
- Take-out tong assemblies
- Transfer wheel paddles
- Ware guides



Pyrotek Ware Handling Equipment

Cross Conveyor and Servo Stacker

Pyrotek's 9033 series cross conveyor provides a flexible and consistent method to transfer glass containers and present them to the Pyrotek 9000 Servo Stacker, which has proven to be a durable and smooth solution to produce check-free glass containers.

Equipment

- Cross conveyors
- Stacker machines

