

**TEIJIN**

**“Twaron is the backbone  
of a fiber-based gasket”**

**Andreas Will, Head of R&D Industry at Frenzelit GmbH**

**Twaron®**

Aramids by Teijin

**Be sure.**



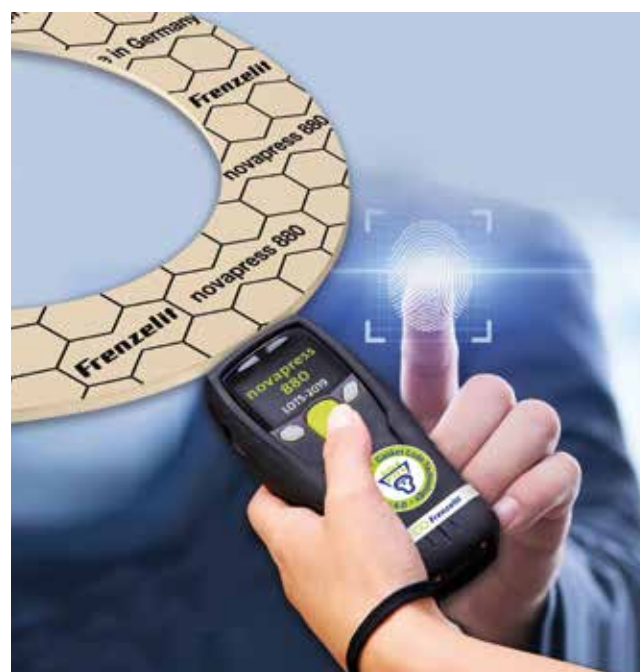
# Frenzelit: Sealing the deal with Twaron®!

**Gaskets – components that seal spaces between joined surfaces – must meet demanding requirements, including ever-stricter sustainability regulations. Gaskets from Frenzelit, containing Twaron® para-aramid pulp, provide low leakage, reliability, and easy handling, as well as temperature-resistance and dimensional stability, enabling them to meet market and customer needs.**

## **Frenzelit: A tradition of innovation**

For more than 100 years, family-owned company Frenzelit GmbH has produced fiber-based gaskets and gasket materials. It produced the first asbestos-free gasket in 1982 and has innovated graphite, mica, and PTFE gaskets since then. Additionally, Frenzelit's unique Gasket Code Technology allows a precise identification and 100% traceability of each individual gasket. Today, Frenzelit has 500 employees over seven locations worldwide. As well as producing materials, it offers a complete package of services including application consulting, installation, calculation models, and training for mechanics.

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## Customer-focused partnership

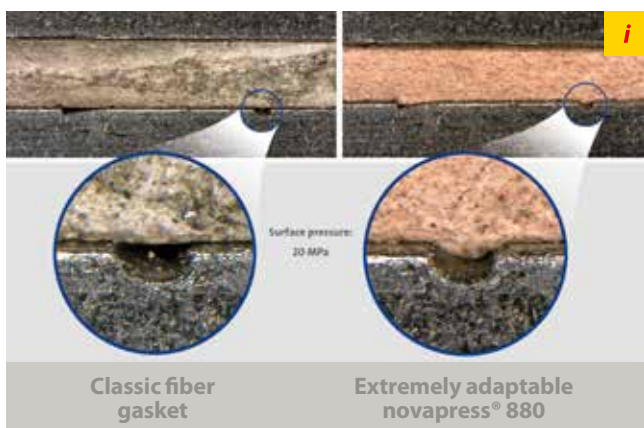
Besides the benefits of their aramids, Teijin's customer-focused innovation also makes it a well-matched partner to Frenzelit. "We're dedicated to creating products specifically tailored to our customers' needs," says Andreas. "To maintain our leading market position, we must work with suppliers that are equally focused on adding value for customers through innovation. Teijin Aramid does exactly this, and we know we can rely on their specialists' support. Our successful partnership goes back for decades!"

## Meeting market needs with Twaron®

For Frenzelit, Twaron® is the ideal material to meet the gasket market's needs. "The market faces increasingly strict emissions regulations, no matter which industry is concerned," explains R&D Manager Andreas Will. "To save energy and to protect the planet by reducing emissions, new cooling liquids are used that require tighter systems and higher chemical resistance. Aramid-reinforced gaskets are the perfect solution to meet these challenging demands."

But that's not the only reason to use Twaron®. "For us, Twaron® is the backbone of a fiber-based gasket," Andreas adds, "because it's strong enough to resist the pressure and mechanical stress of fitting the gasket, even allowing for minor fitting errors. What's more, Twaron® can withstand a broad range of temperatures in steam, solvents, refrigerants and various other applications. Twaron®'s dimensional stability and low creep also enable reliability over time."

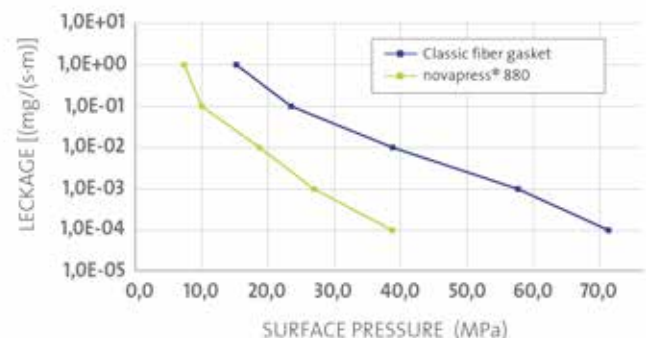
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and has high mechanical stability and exceptional chemical resistance," adds Andreas. "And above all, these gaskets reduce leakage rates beyond regulatory requirements, enabling us to meet market needs, protect our environment, and reduce costs." If that's anything to go by, Teijin and Frenzelit have a bright future ahead!

## A stable, sustainable future ahead

Now, new joint efforts aimed at driving sustainability pave the way for an equally successful continuation. "Thanks to Twaron®, the latest soft gasket generation novapress® 880 is approximately three times as adaptable to flange unevenness as conventional fiber gaskets,



# Be sure.

At Teijin Aramid, everything we do is guided by our ambition to shape a better future for generations to come. Day after day, we move forward, continuously improving our processes, our technology and ourselves. As market leaders, we drive progress through collaboration and set new standards for high performance. We connect with our customers at every level, wherever they are in the world. Because we believe that, together, we can be something bigger. Together, we can challenge conformity.

From automotive and oil & gas, to civil engineering, ballistic protection and beyond, our products are empowering excellence in diverse markets and applications around the globe. By enabling lighter, stronger and more resistant materials. And by taking durability, protection and efficiency to new levels. Whether you choose Twaron®, Teijinconex®, Technora® or Endumax®, our high-performance materials are an enduring guarantee of reliability. You can be sure of that.



## More information

Please e-mail us at:  
contact\_EMEA@teijinaramid.com  
or visit our website.

# Twaron®

[www.teijinaramid.com](http://www.teijinaramid.com)

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