



**SCHOEN
BORNER**
the innovation leader

„Water is the most important basic resource and is under enormous pressure worldwide when it comes to both quality and quantity. Use **Schönborner innovations** for your **adaptation and resilience measures** to protect water as a resource.“

Thomas Ebert



S **SCHOEN
BORNER**

That is what Schönborners stand for

Innovation

With 70 patents and registered designs, we are pioneers in the development of innovative products.

Customer focus

Intensive dialogue with the customer is the quickest way to develop successful innovations and products.

High vertical range of manufacture

Our production is clearly aligned with customer requirements to ensure quality and quantity. These include product life and creating added value in product use.

Speed and flexibility

in component development and production through additive manufacturing.

Cooperation with science

We have our own research and development department, where dedicated employees work closely with the scientific community to expand their wealth of knowledge in the implementation of our R&D projects. We support future graduates with two German scholarships.

Schönborner products include such features as:
Functionality, flexibility, Innovativeness and service life

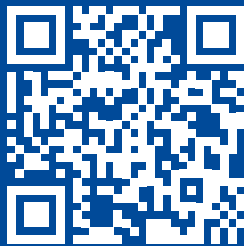




**SCHOEN
BORNER**
the future at a glance

„For us, **sustainability** means resource-saving innovative production that creates high-quality products that will also benefit our children’s and grandchildren’s generation.”

Thomas Ebert



Sustainability and resilience are close to our hearts

Sustainability means for us:

Optimised weight with increased strength through the use of higher-strength steels and optimised constructions.

Material efficiency by using square pipe instead of square steel, yet with higher strength.

Corrosion protection that moves with the times – galvanising was yesterday’s news. DeltaProtekt coating is standard with us today. Extending the service life.

Ball bearing in a light casing – Smooth running due to the installation of a ball bearing and weight optimisation, paired with increased corrosion protection, are unbeatable product features.

Wood fibre – 35% minimisation of the use of petroleum in the production of plastics, increased strength through the use of wood fibres enable more reduced mass.

Closed-loop recycling of natural fibre reinforced plastic components

We are working at full speed with the Fraunhofer Institute for Applied Polymer Research on the development and establishment of a return and recycling system (raw material cycle management) for natural fibre-reinforced products.

The aim is to minimise the use of the fossil fuel “polyethylene (PE)” and replace it with “wood” as a renewable raw material. There is also an associated potential to obtain an environmental certificate/mark.

We have been addressing this issue for many years. For example, in 2013 we developed a laser welding process together with the TU Chemnitz and Rabe Lasersysteme GmbH, with which natural fibre-reinforced components with a fibre content of up to 35% can be welded together using a laser beam.

In a further development, we expanded our expertise in the area of production/extrusion of natural fibre-reinforced profiles (pipes). As a result, we are developing and manufacturing the corresponding production technologies and the necessary technical equipment together with the TU Chemnitz.



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