

BRICK LINED EQUIPMENT
HANDLE WITH CARE

STEULER QUICKFIT
BRICK-LINED EQUIPMENT
DELIVERED READY FOR SERVICE

- **ABSORPTION TOWERS**
- **DRYING TOWERS**
- **QUENCHES AND VENTURIS**
- **PICKLING TANKS**
- **BLEACHING TOWERS**
- **PROCESS EQUIPMENT AND VESSELS**
- **STORAGE TANKS**
- **PIPES**
- **EDC COLUMNS**
- **PROCESS VESSELS**

- **NON-FERROUS METAL INDUSTRY**
- **PAPER AND CELLULOSE PRODUCTION**
- **POWER STATIONS**
- **WASTE INCINERATION**
- **CHEMICAL AND PETROCHEMICAL INDUSTRY**
- **ACID PRODUCTION (PHOSPHORIC ACID, SULPHURIC ACID, HYDROCHLORIC ACID ETC.)**
- **GAS SCRUBBING**
- **PIGMENT PRODUCTION**

LINING TECHNOLOGY PLUS LOGISTICS. BOTH TO PERFECTION. **IT'S WHAT WE DO.**

Steuler designs, manufactures and delivers connection-ready plant units and components that are brick-lined using QuickFit technology to your project site. Worldwide. We also supply preassembled replacements for damaged or defective units using the QuickFit system. The units are preassembled at our workshop. This means we reduce downtimes and (re-)construction times and minimise your production losses.

Constructing new and replacing existing equipment and plant components is a time-consuming process. Especially in the case of replacement installations. Productivity suffers. QuickFit reduces your shutdown times: Because we manufacture in parallel to, but without affecting, the ongoing production operation. Installation then takes place perfectly integrated on-site.

Steuler QuickFit saves you valuable production and project implementation time. This makes your project much more cost-effective and the effort involved on your part in implementing the project is reduced too. Because we take care of the entire logistics.

Steuler provides just-in-time delivery. To the site of your choice. Around the globe.

STEEL PROCESS EQUIPMENT ENGINEERING INCLUSIVE

MINIMAL DOWNTIMES

Speed and efficiency matter when it comes to maintaining plant capacity and production without lengthy downtimes. With QuickFit, Steuler ensures that all aspects operate smoothly. Steuler coordinates everything and is the single point of contact for all your requirements and wishes. The result: Fewer downtimes, shorter stoppages. Plant units and components are replaced safely and quickly.

A SINGLE POINT OF CONTACT FOR EVERYTHING

Steuler takes into account the specific requirements of the customer at every step of the manufacturing process: From the steelwork including pre-treatment to rubber lining or interior coating with subsequent acid proof brick lining and exterior paintwork to safely transporting the finished unit to the site. Everything from a single source and perfectly coordinated. This also applies to the manufacture of turnkey components including pipework made from thermoplastics, glass-fibre reinforced plastics or stainless steel, and the production of spray nozzles made from thermoplastics, glass-fibre reinforced plastics, stainless steel, titanium or ceramics. The same is true for fittings made from stainless steel, plastic, ceramics, titanium or cast iron as well as external insulation and heat shields. All from a single source that takes care of everything for you.

WE FABRICATE THE PLANT COMPONENTS (STEELWORK)

Steuler supplies all the steelwork for process equipment, vessels and fittings. We support you with the design of the structure and components. All the while taking into account the transport requirements of the heavy components.

WE PREPARE THE PLANT SECTIONS FOR THE APPLICATION OF THE CORROSION PROTECTION LINERS

Every structure is thoroughly prepared for the corrosion protection system. Steuler cleans and blasts all relevant surfaces. This ensures perfect adhesion with the lining applied immediately on top.





Speed and efficiency matter when it comes to maintaining plant capacity and production without long downtimes. With QuickFit, Steuler ensures that all aspects run smoothly. Steuler coordinates everything and is the single point of contact for all your requirements and wishes. The result: Fewer downtimes, shorter stoppages. Plants and components are replaced safely and quickly.

PERFECTLY LEAKPROOF

When it comes to sealing, Steuler draws on its own range of rubber linings, coatings and fluoridated plastics. According to requirements. The application work is performed by our excellent, continuously trained specialists at our workshop under ideal, controlled conditions. Our customers no longer have to contend with variable quality as a consequence of the conditions on the construction site.

THE PERFECT RUBBER LINING FOR YOUR PROCESS REQUIREMENT



WE VULCANISE IN THE WORKSHOP AUTOCLAVE

The workshop-applied rubber linings are vulcanised in our own autoclave – the largest of its kind in the world – at temperatures of around 140° C and pressures of 4 to 7 bar. This ensures optimal cross-linking of the rubber molecules. Steuler's autoclave can accommodate structures of over 15 meters in length and 5.50 meters in diameter.



Steuler rubber linings offer maximum chemical resistance and thermal stability. Moreover, the high bond strengths achieved between the rubber lining and steel structure effectively prevent the lining from detaching when subjected to both thermal loads and vacuum conditions.

PERFECT PROTECTION TAILORED TO REQUIREMENTS

Certain operating environments require that the sealing layer is additionally protected against thermal or mechanical loads. We always select the brick lining materials suitable for the project in question. Depending on the expected chemical and thermal load, we use acid-resistant ceramic bricks, carbon bricks, graphite bricks, nitride-bonded SiC bricks, furan resin based bricks or refractory grades. Steuler manufactures bricks in standard as well as special formats according to customer requirements in various material grades at our own workshop. We also develop and manufacture the critical mortars and jointing materials based on synthetic resins and water glass cements ourselves.

EFFICIENT USE OF TECHNOLOGY

Steuler's QuickFit technology eliminates the need to install the linings on the project site. Instead, this is all done under optimal conditions at the Steuler workshop, where the humidity, temperature and drying conditions during application can be controlled and monitored. Another advantage is that at our factories we have a comprehensive range of installation aids and unique special tools at our disposal. This reduces overall costs and the need for elaborate weather protection measures, not to mention travel and accommodation expenses, is minimised too.

Special formats and specific one-offs with precision drill holes and penetrations are also custom manufactured and installed by Steuler. The optimal engineering design increases plant efficiency and safety.





WE PRE-INSTALL PIPEWORK AND FITTINGS

We can also pre-install fittings like nozzle inserts, spray nozzles, wave traps, support plates and partitions as well as pipework. Your Steuler QuickFit equipment is now ready for connection. Everything from a single source. From Steuler.

AND THEN GET EVERYTHING SAFELY TO THE CONSTRUCTION SITE

So that all the parts of your plant arrive at the project site quickly and safely, the logistics processes have to be seamlessly integrated. Thanks to our extensive experience, well-established processes and most importantly, a safely designed custom transport frame, Steuler effectively precludes the lining from being damaged while transporting the heavy preassembled units and components. Steuler systematically manages the logistics to ensure everything reaches its destination undamaged.

And then there are the little things that have a big effect: We constantly check the transport conditions from workshop to destination. Our customers can rest assured that nothing can go wrong. We've been doing it like this for over 15 years. Sometimes things go quickly. Sometimes a little patience is needed. But we always get there safely in the end.

WE MAKE IT HAPPEN. WORLDWIDE.

FROM CONCEPT TO SAFE EXECUTION FROM A SINGLE, DEPENDABLE SOURCE

Excellence and a wealth of expertise in manufacturing and processing combined with reliable service. For decades. You can always depend on Steuler. We deliver exactly what our customers want: The most efficient, high-quality solution tailored to requirements. With the added benefit of project planning, installation and maintenance all from a single source. With QuickFit, we advise and work with you to jointly develop your ideal solution: Fast, flexible and to deadline. To get you up and running (again) quickly. You can count on our support worldwide.

FAST, FLEXIBLE AND TO DEADLINE. THE ON-SITE INSTALLATION.

The ready-to-connect equipment and components are delivered right to the construction site. Experienced Steuler technicians and supervisors manage the installation on-site up to final installation and handover. That's Steuler QuickFit. Quality and convenience. Second to none.

We also offer service and framework agreements, reliable spare-parts deliveries and regular inspections. And it's always from Steuler: all stages of the lining process, from the steelwork to the pre-treatment, rubber linings, coatings and laminates or external paintwork to the finished brick lining are manufactured by us or suppliers in the immediate vicinity of our workshop.

STEULER

Surface Protection | **Linings**

Together with international subsidiaries and representatives, Steuler offers a worldwide network to our clients that develops and implements comprehensive system solutions.

Alphaplast, S.L.U.

Spain

CIMA S.r.l.

Italy

Ditescor S.A. de C.V.

Mexico

STEULER-KCH Polska Sp.z o.o.

Poland

**Shanghai STEULER-KCH
Anticorrosion Engineering
Co., Ltd.**

China

STEULER Chile SpA

Chile

STEULER-CTI N.V.

Belgium

STEULER-KCH France SARL

France

STEULER-KCH AUSTRALIA Pty. Ltd.

Australia

STEULER-KCH MAROC SARL

Morocco

Steuler-KCH Nordic AB

Sweden

STEULER-KCH SAUDI Co. Ltd.

Kingdom of Saudi Arabia

Steuler Técnica, S.L.

Spain

**TECNICAS DE REFRACTARIOS, S.A.U.
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