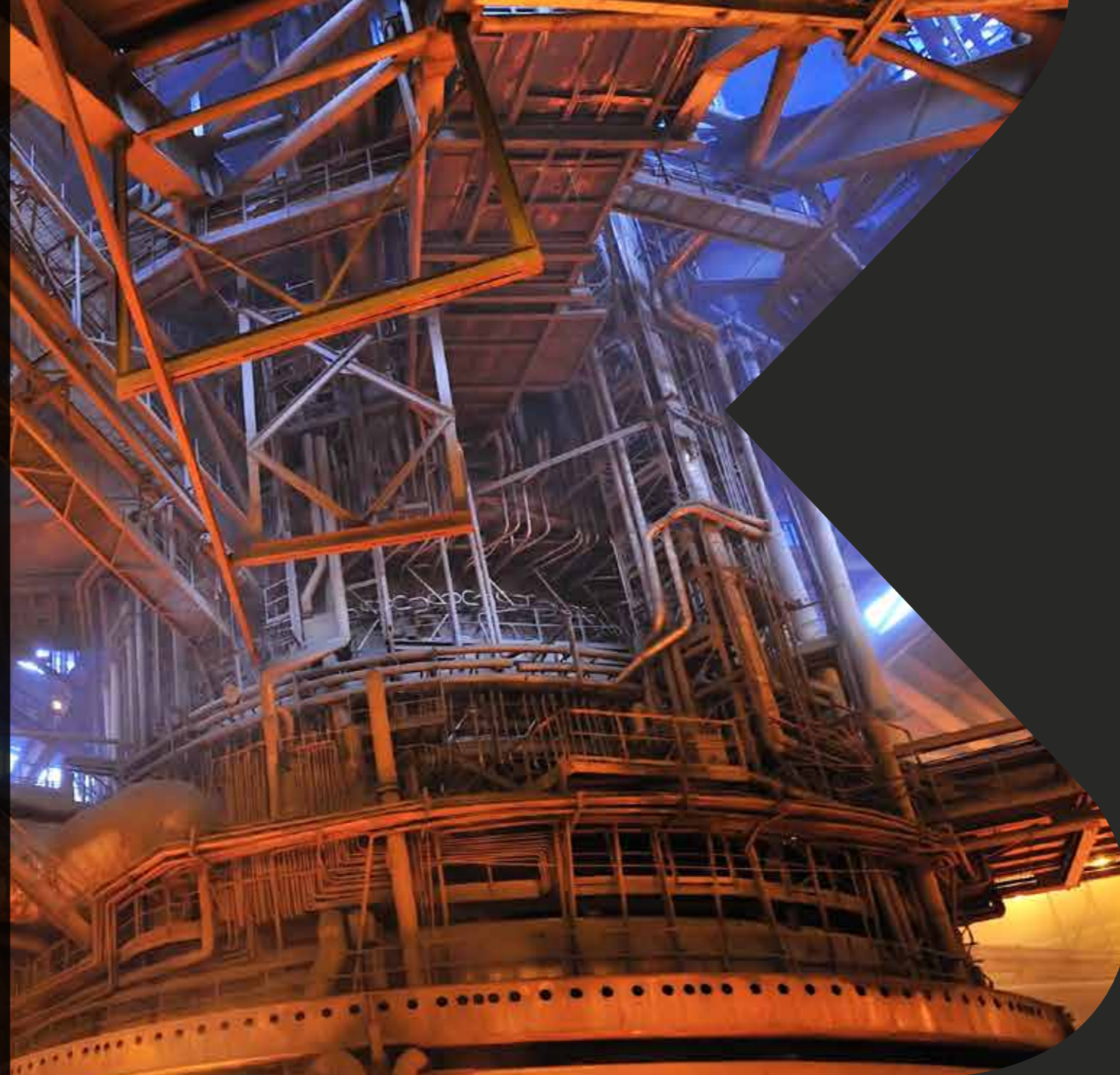


APPLICATIONS.

We offer complete and practical solutions, such as

- Maintenance and repair masses**
- Secondary- and tilting runners**
- Main runners**
- Impact plates**
- Blast furnace shafts**
- Permanent lining for main- and secondary runners**
- Prefabricated blocks for granulation troughs**
- Construction lining in brick supply**
- Blow molding sleeves and -inlays**



Beck u. Kaltheuner Feuerfeste Erzeugnisse GmbH & CO. KG

Dieselstr. 3 | 58840 Plettenberg

Phone: +49 2391 817 0 | Fax: +49 2391 817 100

E-Mail: info@beka-feuerfest.de

BLAST FURNACE.

MADE IN PLETTENBERG

www.beka-feuerfest.de

 **Beck
u. Kaltheuner**
FEUERFESTE ERZEUGNISSE



**TODAY AND IN FUTURE.
TOGETHER.
TECHNOLOGY.**

... Progress made in Plettenberg.

// TODAY AND IN FUTURE

ABOUT US.

**FOR MORE THAN HALF A CENTURY,
WE SUPPLY REFRACTORIES WORLDWIDE.**

Because we love our work, we assure our customers that we deliver high technology and best quality orientated products and services.

Beck u. Kaltheuner operates at two locations in Plettenberg as well as in Duisburg and has an experienced technical- and engineering department, its own product development site as well as an assembly department and a large machinery park.

The BEKA-team, consists of 107 well experienced constructors, electronic technicians, mechatronic technicians, procurement, sales engineers and has last but not least committed themselves to the production of valued and reliable refractories.

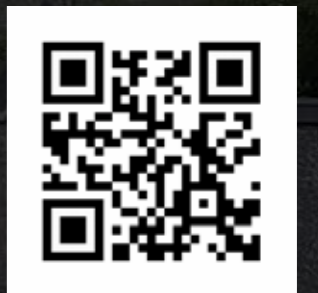
We are an innovative, medium-sized company, which was founded in 1953 in Plettenberg in the Sauerland. Today, we are known as a renowned, intercontinental supplier of refractories and carry our quality seal "Made in Plettenberg" into the world of refractories.



**HERE YOU GO
TO THE IMAGE FILM**



JUST SCAN



// TOGETHER

WHAT WE OFFER.

Engineering – starting from the first drawing creating: the best!



At our engineering plant we develop all blocks and new linings for furnaces, but also complete systems. There, we work closely together with renowned furnace and plant constructors as well as universities.

Research & development – the time does not stand still, we don't either!



We work with our research and development team continuously on innovative and economical product solutions for different kinds of applications, which are produced afterwards in our plants.

Installation – from one of the best teams in Germany!



Our professional and experienced supervisors take care of demolition and installation of refractories and elements. Repairs with modern methods and tools is their everyday life.

// TOGETHER

BEKA KNOW-HOW.



Quality assurance - we achieve the maximum!

With the help of our ingenious quality management system, we are not only able to meet the demands of our customers, but to surpass them. Standardized and economical processes, combined with continuous controls, ensure that safety and health protection are in accordance with all necessary criteria, and beyond.



Machinery – Full-Service by diversity!

With our balanced machinery park we are able to carry out demanding linings and repairs.



BLAST FURNACE.

THE BLAST FURNACE ROUTE, SO CALLED INTEGRATED ROUTE, IS STILL THE MOST SIGNIFICANT METHOD IN ORDER TO PRODUCE PIG IRON.

Most possible service life of the blast furnace shaft linings as well as runner systems, short repairing times and full-service solutions. These are the goals of BEKA!

Modern delivery concepts are

- shotcreting, done manually from assembly platforms or with help of a gunning robot
- repair and maintenance of gunnings with specially developed hot-repair-gunning-masses
- laser measurement of blast furnace shafts and runner systems



SCOPE OF SUPPLY.

Our scope of supply for the blast furnace section includes the complete blast furnace shaft as well as refractory masses and prefabricated blocks with corresponding anchoring systems for main- and secondary runners (incl. tilting runners).

Our product portfolio contains:

- conventional refractory concrete
- LC- refractories
- ULC- refractories
- SOL-Gel masses
- gunning masses
- (hot-) repair masses
- shotcast masses
- ramming masses
- prefabricated masses

Our masses convince by:

- long service life
- high erosion resistance
- excellent corrosion resistance
- high resistance against iron- and slag infiltration
- high thermal resistance

// TECHNOLOGY

PREFABRICATED BLOCKS.



**OUR CASTED PREFABRICATED BLOCKS
ARE SUBJECT TO CERTIFIED QUALITY STANDARDS.**

This guarantees accurate dimensions, service life and reliability in all sections. All our prefabricated blocks are delivered tempered and after arrival ready-to-install. If required, it is possible to carry out a pre-firing at a maximum temperature of 1450°C.

Our top priority is not only the selection of high quality, suitable materials, but also the precise design of the prefabricated blocks according to your requirements. We look forward to work out specific new solutions together with you.

// TECHNOLOGY

TAP HOLE CLAY.

Special attention is paid to our tap hole clay. As an important component for the steelmaking process it is essential to use high-quality, high-alumina respectively Sec-containing raw materials for our qualifying final product.

The selection of suitable tailor-made tap hole clay for the customer and their requirements depends on various parameters of the blast furnace process which guarantees a reliable and effective operation of their blast furnaces.

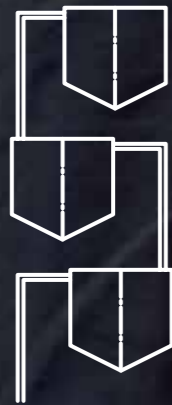
Environmental aspects are indispensable in the development of masses. BEKA has developed “green” masses that fulfil the requirements of **REACH**.

TECHNOLOGIES.



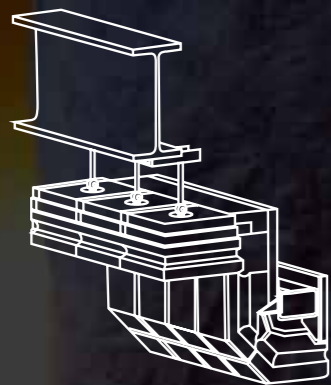
ALUMINUM

Our service includes the maintenance as well as the repair of firm plants and can be executed while system is running or switched off.



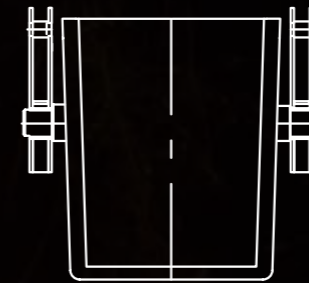
CEMENT

The product portfolio of Beck u. Kaltheuner includes high-alumina monolithic products with special properties, specially designed and developed for the use in cement works.



FURNACE- & PLANT ENGINEERING

The supply program includes, among other roof systems, curved blocks, sandwich blocks, diaphragm blocks, furnace blocks, burner blocks and many more.



STEEL PLANT

Tailor-made solutions and all in one-hand service solutions, is our reaction to the worldwide increasing demands for refractory materials and monolithic prefabricated blocks.



COKING PLANT

We have many years of experience in the delivery range of door plug systems with anchor bolts anchorage for coke oven doors.