RATEC is trendsetter in the development and production of magnetic formwork technology. Trust the specialists! For any formwork assignment we develop a suitable solution for you. Due to RATEC’s in-house magnet supply and complete production line we are able to tailor our formwork components to your individual requirements. Rely on our standard solutions that have proven their worth in tough practical testing. From the switchable magnet box up to complete formwork solutions for automated circulation plants, battery molds, room module molds and concrete pumps - RATEC’s ideas have decisively shaped and influenced precast concrete production in the past 20 years.

Benefit from our experience and flexibility – Meet the better ideas!
The MTK Magnet-Fabrik Solingen is manufacturer and supplier of high quality products such as magnetic formwork systems, construction magnet systems and special solutions for the precast concrete industry, including individual solutions for industrial applications. The company’s client base encompasses the industries of mechanical engineering, plastics processing industry, pharmaceuticals and food industry as well as the automotive industry.

The partnership between RATEC and the MTK exists since 2002 and today it is an integral part of the company group.

In 2014 MTK manufactured and supplied 60,000 insertion magnets for the precast concrete industry – more than anyone else.

In recent years magnet technology has experienced wide ranging and pioneering innovation, to which MTK has significantly contributed. With a great commitment to research and development, the company further develops their products continuously in terms of quality, durability and flexibility. Furthermore, this progress is directly incorporated in the magnetic formwork solutions of RATEC.

IN-HOUSE PRODUCTION ENSURES HIGH QUALITY AND FLEXIBILITY

Magnets from the experts. Quality that lasts.

For more than 40 years the name MTK Magnet-Fabrik Solingen has been associated with quality and customer satisfaction. Well-known companies have been using and applying MTK products and developments throughout that time.
SHUTTERING MAGNETS

For higher efficiency and quality in precast concrete production.

RATEC shuttering magnets offer an ideal range of applications perfectly suitable for all kinds of formwork construction, both for wood, steel or glass fibre formwork skins. All RATEC precision magnets have extraordinarily high adhesive power in comparison to their weight. The proven RATEC Automatic System to activate and deactivate the magnet allows unlimited options at the push of a button. With the accordingly developed adapter technology RATEC magnets present unlimited options for use, which can be adapted to your individual requirements at all times and ensure maximum flexibility for future assignments.

ADAPTERS

The fastest way to fix shuttering elements.

RATEC adapters are used for the quick fixation of window and door recesses, wood shutterings, fibre concrete upstands, inserts and other shuttering elements. The modular adapter system offers countless application possibilities. Special tailor-made adapters on the basis of your individual requirements can be matched perfectly to our standard magnets as well.
SHUTTERING SYSTEMS

Flexible, fast, secure and efficient.
For manual or robot-handling systems.

RATEC shuttering systems have been used in the precast concrete industry for years and have proven their outstanding qualities under tough practical testing. Through an ongoing development, we have developed a modular system which can be used flexibly, rapidly, safely and efficiently in every field.

We pursue a long-term strategy of continuous innovation whereby our products are always economical, pragmatic and forward-thinking. For any individual task we develop practical solutions.
WE WILL BE PLEASED TO DEVELOP INDIVIDUAL FORMWORK AND PRODUCTION SOLUTIONS UPON YOUR REQUEST!

All RATEC products are developed and produced in Hockenheim and delivered to customers in over 70 countries worldwide.
Besides various possibilities for robot use, we also offer several traverses for positioning, removal and handling of our shuttering systems. They are suitable both for shutterings in the centre of gravity, as well as outside.

RATEC traverses are perfectly adjusted to our shuttering systems through intelligent pick up mechanism and ensure a safe and easy handling in production.
INSERT MAGNETS AND ASSEMBLY PARTS

Make sure, your inserts are in the right place.

RATEC’s insert magnets and assembly parts for the fixation of shuttering elements or reinforcements have revolutionized the precast concrete industry and have proven themselves in practice. They present a cost effective solution that will increase the quality of your precast concrete elements. With our unique combination of rubber and integrated magnets almost any shape can be realised. The adhesive force of the integrated magnet guarantees accurate positioning during the whole concreting process.

Insert magnets and electrical box magnets

Magnetic rubber and steel chamfers and plastic chamfer strips

Quickly, the ultimate anchor socket

Magnet systems for transport anchors

We are pleased to develop individual insert magnets according to your requirements.
At RATEC we combine and execute the outstanding ideas generated by the Reymann Group. In our inter-knitted environment we develop and optimise a wide range of customer related projects. We provide special attention to perfectionise the relationship between production processes and the corresponding precast concrete plants to guarantee a production set up that will generate a smooth workflow for each individual client. By combining our skills, expertise and experience we are proud to offer successful solutions to very specific challenges that have proven their place in the world marked with a variety of our system components.

This specific approach to custom adaptations combined with our variety of high quality standard products are tailored to satisfy the individual needs of our customers in an extremely economical and reliable manner.

Benefit from our extensive experience and comprehensive advice.

Our **references worldwide.**

We deliver our products in over 70 countries worldwide.