



DRIVE SOLUTIONS



THE ORIGINAL. BE SAFE.



SUCCESSFUL INTO THE FUTURE

INTELLIGENT AUTOMATION TECHNOLOGY. FOR MORE THAN 70 YEARS.

To stand still is to go backwards - for this reason it is our stated objective to improve constantly. For our customers and business partners, for our employees, for an EMG that is competitive and market-leading in many sectors.

Now and in the future: EMG. moving ahead. "Moving ahead" is the motto of EMG.

To always be one step ahead, to know what the customers want, to anticipate developments, to keep on moving, to never come to a halt. This is the best way to remain a market leader, and to continue growing successfully.

We supply our products to OEMs and realise turnkey solutions for our end customers all round the world. Our connection to Germany ensures the necessary grounding for our company, as well as our focus on customers, quality and employees. The global presence assures our future. Ensuring that everything meshes together seamlessly and runs smoothly requires more than commercial partnership. We place great importance on trust, honesty, friendship and mutual respect.

The EMG story began on the 22.06.1946, with six employees and our ELDRO® product. Now, alongside our ELDRO® and ELHY® brake thrusters, we deliver automation solutions for the steel industry, the printing and paper industry, as well as for the tyre and plastics sectors. EMG has developed into the leading company of our international elexis group, with approx. 1,260 employees.

Today, the business is still led in the spirit of a family company. With our technologies in automation engineering, we are ideally equipped for future developments and new trends, such as continued digitalisation.

We would like to thank our customers, business partners and in particular our employees who have made us what we are today.





POWERFUL. ENERGETIC. CLEAR.

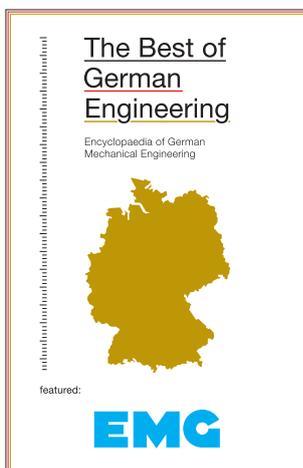
STRONG EMPLOYEES. ENTHUSIASTIC CUSTOMERS.

Enthusiastic, flexible and autonomous employees are our most important asset and the basis for our success. Our company culture reflects this in our everyday dealings with each other - in terms of mutual appreciation, friendliness, communication, cooperation and loyalty.

Within the scope of our training programme, the so-called EMG Academy, EMG offers all employees the opportunity to constantly develop and expand their own skills and knowledge. Alongside the training sessions, which are carried out by EMG's own staff or by external trainers depending on the subject matter, the development of our employees is promoted through various further personalised measures.

Respect, reliability, honesty and in particular competence - we live by these values, not only when dealing with our customers but also in cooperation with our partners and subsidiaries throughout the world.

We are delighted to share our expertise with colleagues around the world, so that our customers can always be assured of a competent contact partner and professional service wherever they are.



For this reason, our employees are always travelling around the world to provide support and training to colleagues in other countries. At home around the world, and always close to our customers. Our global service can react quickly and flexibly to all of our customers' requirements.

In 2013, EMG was included in the reference book for German machinery construction, "The Best of German Engineering".





LIFTING AND TRANSPORTATION TECHNOLOGY

QUALITY PRODUCTS FOR OPTIMISED RAW MATERIALS EXTRACTION

Be it in conveyor belt systems in Chilean copper mines or on transport, rotating and lifting drives on bucket wheel excavators or coal excavators, as well as in spreaders in Kazakh open-cast coal mining: Plant operators throughout the world trust in the quality products from EMG.

With the extraction of raw materials, both above and below ground, enormous quantities of material must be transported and conveyed. High quality and powerful products are required for this, in order to guarantee smooth procedures and minimise downtimes.

Numerous brake thrusters bearing the ELDRO® or ELHY® brand can be found on a bucket wheel excavator.

EMG impresses with many years of experience in this segment, and delivers brake system safety. Be

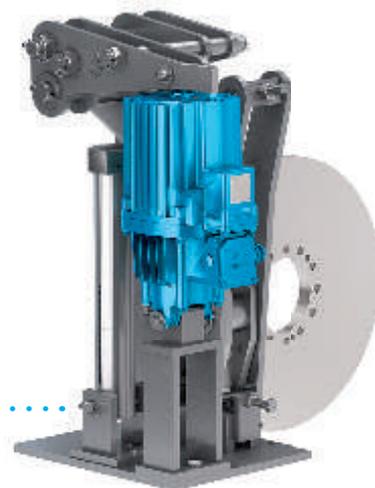
it operating or holding brakes on transport, rotating and lifting mechanisms, as well as on conveyor belts: Brakes with brake thrusters from EMG provide you with the safety that you expect.

Our powerful hydraulic compact drives from the HKA range can also be found in a wide variety of different applications. These are employed in conveyor belt deflection stations in surface mining for example, or for adjusting conveyor belt chutes, as well as in impact wall drives.

Alongside the seamless operation of EMG products in all installation locations, the logistical and planning assurance provided by EMG is a guarantee for optimised raw material extraction.



Bucket wheel excavator



Disc brake with EMG thruster



PORTS AND CRANES

PERFECT ELECTRO HYDRAULIC SYSTEMS

For over 70 years, EMG brake thrusters have been used on crane systems and container bridges in ports around the world. To date, their reliability and continuous optimisation, and the further development of all individual parts and assemblies, guarantee the safe actuation of brake systems and therefore form the basis for the fault-free handling of goods.

High availability and reliability, as well as the extreme challenges presented by port facilities throughout the world, do not allow for any compromises in safety.

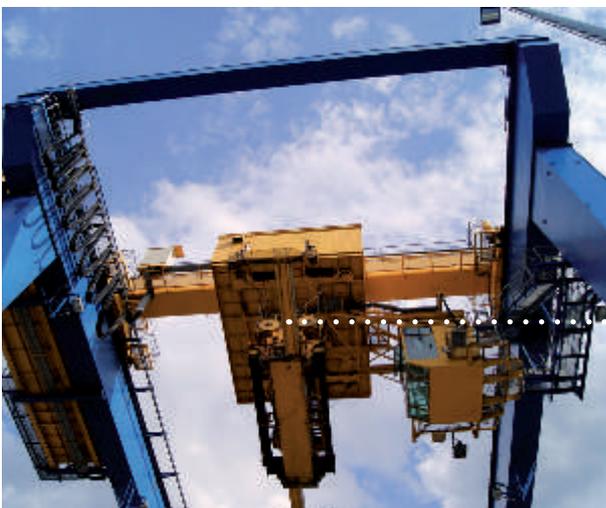
The ELDRO® and ELHY® brands set the technological standard in the brake sector. Despite the use of electrical or electronic components in modern plants and systems, mechanical safety brakes with

electro hydraulic brake thrusters still assume the most important tasks even today. As the last link in the chain of safety measures, our brake thrusters guarantee the safety of personnel and systems, even in a power failure.

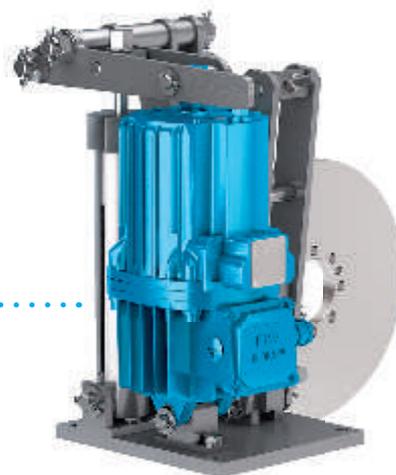
Alongside this, EMG products impress through a significant reduction in the installation expenditure, minimal service costs in operation and short commissioning times.

There is only one original: THE ORIGINAL. BE SAFE.

EMG is an official member of the Port Equipment Manufacturers Association (PEMA).



Container crane



Disc brake with EMG thruster



STEEL AND METALLURGY

RELIABILITY EVEN UNDER MAXIMUM LOAD

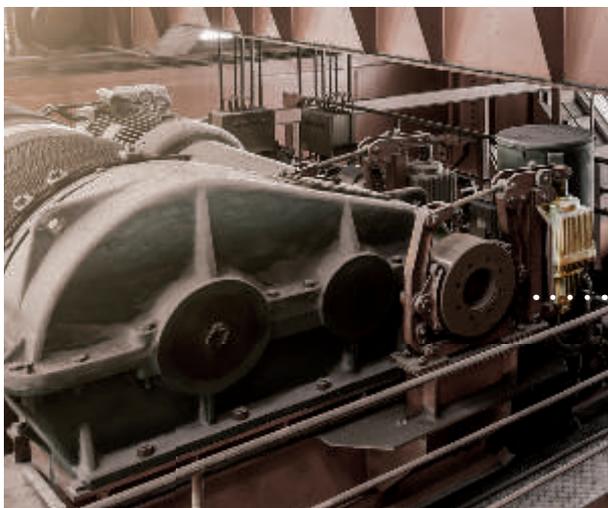
Crane systems in smelting plants and steelworks are important equipment in production processes, whose continuous operation is critical for the quality of the end products. High environmental temperatures, extreme lifting loads and aggressive dusts make operation even more difficult. Nonetheless, the safety and availability of the systems have the highest priority and allow for no compromises. For this reason, steel producers throughout the world place their trust in the quality of ELDRO® and ELHY® brake thrusters.

The high quality products from EMG, "Made in Germany", guarantee fault-free operation of the electro-hydraulic drum brakes or disc brakes, even with the highest loads and toughest conditions.

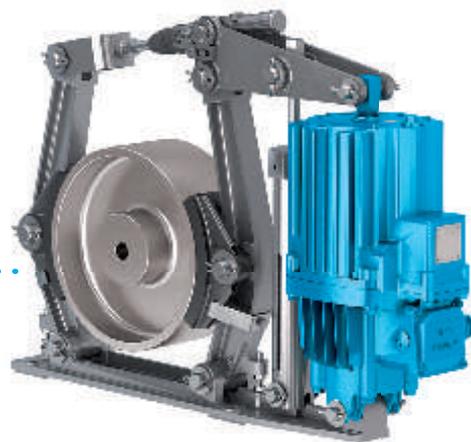
With operation in steelworks, it is necessary to deal not only with the high environmental temperatures

of up to + 80 °C - which are far from unusual in brake systems applications on casting cranes - but also with very fine dust. In order to avoid faults, corresponding measures must be implemented to combat this. By employing special components and operating media, the steelwork versions of EMG devices are able to achieve high cycle frequencies even under these extreme environmental temperatures and ambient conditions.

Special solutions for hydraulic brake systems, such as safety brakes, are often resolved with the hydraulic compact drive (HKA). This was specially designed for use with hydraulic brake systems due to its complexity and compact design.



Steelwork crane



Drum brake with EMG thruster



UNDERGROUND. POWER STATION. LOADING PLATFORM.

THE PERFECT SOLUTION FOR EVERY APPLICATION CASE

As an independent manufacturer of electro mechanical and electro hydraulic drive solutions, EMC offers many additional products for a wide variety of different application fields.

Be it for explosion-protected areas, high-voltage areas underground, actuation systems in wind turbines, use in conveyance technology and lock equipment, the energy-optimised actuation of truck's loading platforms, or for use at cable railways: EMC takes on these challenges. Our ELDRO® and ELHY® brands, the EdEx range, linear drives, hydraulic compact devices and electro-servo cylinders or electro-lift cylinders come into their own in "limitless" application areas.

The BRAKEMATIC control solution, an electrical control unit with variable parameter settings to create

regulated brake torque progressions, rounds off the product range for drive solutions.

Our customers are always the focus of our actions. We support the success and satisfaction of our customers with flexible and leading-edge applications, complemented by competent professional advice and personalised service.

With our many years of experience, we make a contribution to the competitiveness of our customers through continuous and consistent new and further developments on the basis of innovative production technologies and high quality demands.

We impress our customers, employees and proprietors with outstanding performance, as well as trust-based cooperation and partnerships.



EdEx range with 1.140V



Electro lift cylinder EHZ



PRODUCTION SITES

HIGHEST STANDARDS AT ALL SITES

Alongside the headquarter in Wenden, our drive technology products are also produced at two further sites.

By founding the majority-held company EMH in Brazil in 1977, EMC gained a foothold in South America early on and serves the market with electro-mechanical and electro-hydraulic components from here. The production site is in Belo Horizonte, where brakes and cable drums are also produced alongside the familiar EMC solutions.

ELTMA Hebezeuge Oschersleben GmbH was acquired in 1993, and merged with EMC in 2003. The

site, located close the Motorsport Arena, now operates under the name EMC-Werk Oschersleben. EMC develops, produces and distributes electro-hydraulic ELHY® devices for lifting and transportation equipment in Oschersleben. The acquisition of ELTMA significantly strengthened our position as market leader in electro-hydraulic devices for actuating brakes in drive and transportation technology. During 50 years of production, we have produced around one million devices under the ELHY® brand. And naturally also improved and developed constantly.

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WORLDWIDE IN OVER 70 COUNTRIES.

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