

INDIVI DUAL SWITCH GEAR



POWER

HAS TO FLOW



A. Horstmann
Industrial Engineer, CEO

The power supply is the neuralgic point in every production line and every large technical organism. If it doesn't work properly, then nothing works. That's why we build first-class systems according to your specifications, with an added measure of personal and machinery safety. Our experience of almost nearly 30 years, our ideas and our passion for the most intricate details, all flow into each and every system.

We are a proud, strong medium-sized company. Not a corporation, rather a tight-knit, perfectly orchestrated team of some 50 employees, all of whom speak your language. That makes us fast, flexible and extremely reliable in the implementation of bespoke systems for your highly-specialised requirements. The more sophisticated, the better.

Your worldwide partner for the highest standards.

KAUTZ has offered tailor-made premium solutions in power distribution since 1985. World-wide, KAUTZ low-voltage systems in particular are renowned for totally reliable quality at the highest level. Since 2012, we have been further developing the company in the spirit of its founder, Rolf Kautz, with new ideas and great success.

As a highly-specialised, technology-driven production manufactory with strong innovative power.

▶	Design verification / type-tested low-voltage switchgear up to 6300 amperes
▶	Medium-voltage switchgear [SF6, air-insulated]
▶	Transformers and transformer stations
▶	Rental and leasing service [also mobile]
▶	Assembly, service, maintenance, 24-hour hotline
▶	Network analysis, network calculation, infra-red thermography etc.

PERFORMANCE WITH

TRADITI

ON



WE MASTER SPECIAL THINGS

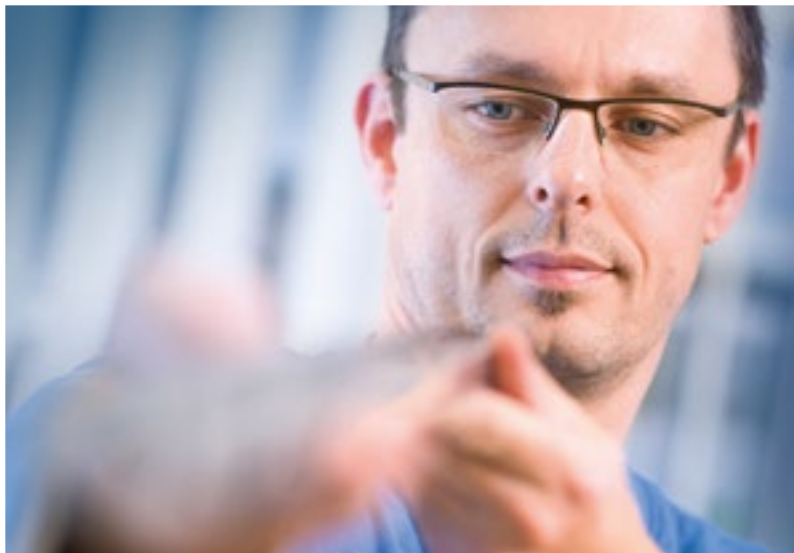
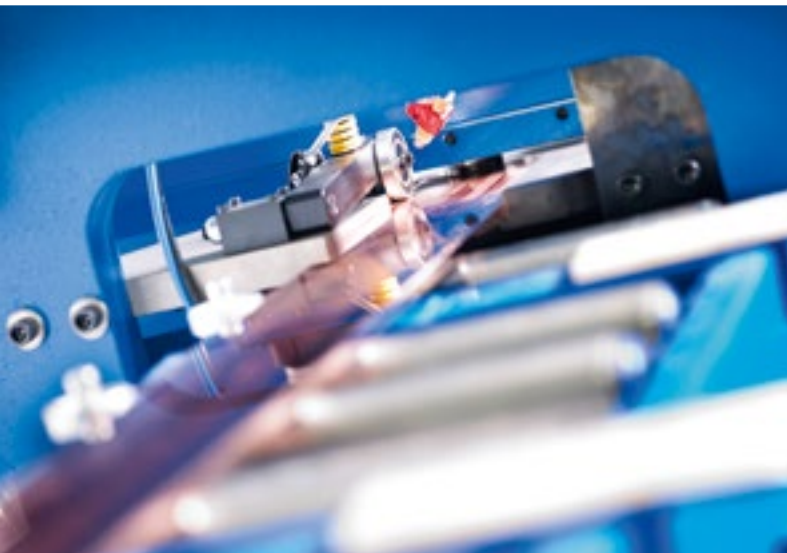


Built into every KAUTZ system are very special KAUTZ ideas for more safety, more efficiency and easier operations. They make the difference that keeps satisfied customers coming back with repeat business again and again. And for all technical testing, you can be assured that we have had everything tested far above standard requirements.

For the premium level that is vital to us.

▶	<p>Arc fault limiter with actual reaction time of 1.2 ms</p> <p>in all low-voltage switchgear – unique and VdS-certified for the highest level of personal and machinery protection with minimised production downtimes.</p>
▶	<p>Earthquake and shock testing for low-voltage systems</p> <p>up to 2.5 times the power of Fukushima – that is something unique to KAUTZ. And the shock treatment for all systems guarantees absolute safety even in case of major jolts. For perfect delivery worldwide, even under the harshest shipping conditions.</p>
▶	<p>Busbar systems</p> <p>The busbar systems developed and patented by us offer many advantages in the low-voltage range: they are very stable, flexible in application for fully-tailored solutions – and their drill-free connection via connector blocks keeps resistance low.</p>
▶	<p>Drawer contact modules</p> <p>Also patented: the MCC drawer contact modules used by KAUTZ, featuring internal arc-free contacting – for utmost personal and machinery protection for low-voltage switchgear.</p>
▶	<p>Perfect corrosion protection</p> <p>through complete chrome steel design of the cabinet frames for all low-voltage switchgear.</p>
▶	<p>Testing as a unified system</p> <p>And here’s another feature unique to KAUTZ: Each of our low-voltage switchgear systems is individually tested. In this process, as a rule we test the switchgear and the bus duct system together – and we do so under standard conditions. And for use in Russia, all KAUTZ systems are GOST-certified in all areas.</p>
▶	<p>Easy and quick assembly that is second to none</p> <p>There is hardly any system available that is as shipping- and assembly-friendly as ours. A vast number of good ideas go into this, along with the unique flexible connection of the bus duct systems and the switchgear. Another KAUTZ idea.</p>
▶	<p>Extreme reliability</p> <p>For 30 years, no KAUTZ system has ever experienced a defect without outside influence. And that’s the way it will always be. And in case anything should happen, we are personally available round the clock. That is something you can rely on.</p>



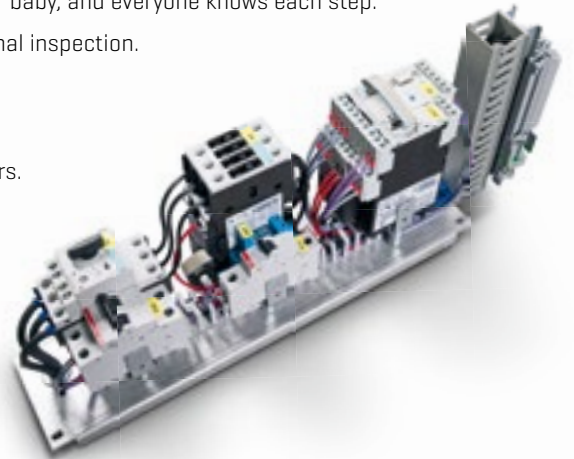


EXCELLENCE IN MANUFACTURING

No one is standing on an assembly line in our company. Each KAUTZ system is built in small teams of three to five people. They are totally responsible and highly motivated – each individual project is their baby, and everyone knows each step. And only when they are satisfied with their performance does the system go to final inspection. In perfect KAUTZ quality.

For our systems we exclusively use the best components of leading manufacturers. This guarantees you absolute premium quality through and through. If you wish, we also handle shipping and assembly worldwide with the same high standard. And if anything is not quite the way it should be, we are always available to you – worldwide, round the clock.

Premium Quality made in Germany.



LOW-VOLTAGE SWITCHGEAR

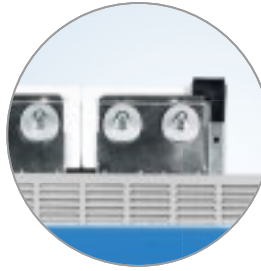
MODULK**SYSTEM**

With the MODULE-K-SYSTEM we developed a specialised, technically advanced and economical system for low-voltage machinery, which can be selectively used as a power distribution board for the low-voltage main distribution or as a motor control centre (MCC). Its modular configuration enables various installation techniques, from permanent mounting to a totally modular drawer system. An ideal complete solution for industrial applications that ensures utmost system availability with the fewest components.

The KAUTZ system configurations 630 A to 6300 A, always designed to precise customer specifications, are suitable for universal use, as well as for the increased requirements in heavy industry and the energy sector.



Maximum system and personal safety through design verification / type-testing (TTA)	
▶	IEC 61439-2, DIN EN 61439-2 [VDE 0660-600-2]
▶	DIN EN 60439-1 [VDE 0660 Part 500]
▶	Arc fault tested IEC/TR 61641 and DIN EN 60439-1, sheet 2
▶	Protection class IP31/41, others upon request
▶	GOST-R export certificates for Russia



Bus duct connection system

Type-tested connection design of the bus duct system



Cabinet systems made of chrome steel

In 2000 mm or 2250 mm height for maximum corrosion resistance and perfect earthing, from 5000A exclusively in stainless steel



Busbar system tested as a unit

The arc-free bus or double busbar provides utmost ease in assembly and the best protection - with a main bus from 1250A to 6300A and optional lead-away in any desired direction, depending upon the mounting position



MCC contact switches

Patented technology for safe drawer contacting



KAUTZ ARC K System – fastest protection for your switchgear

The KAUTZ arc fault limiter of the VdS-certified ARC K System shuts down your machinery within a maximum of 1.2 milliseconds. Without any damage. And with easy replacement of the extinguishing equipment, rapid restart is ensured. For an absolute minimum of downtimes.

ARC K SYSTEM



MEDIUM-VOLTAGE SWITCHGEAR

SF6 AND AIR-INSULATED SWITCHGEAR

The KAUTZ portfolio in the medium-voltage range includes 10 kV and 20 kV air-insulated or SF6-insulated switchgear in various designs:

▶	Low-maintenance and climate-independent SF6-insulated systems up to 630A or 1250A as block construction or modular design
▶	Air-insulated systems up to 4000A/2500A/630A, fully or partially cladded, withdrawable-unit design

All medium-voltage switchgear systems delivered and mounted by KAUTZ are tested according to IEC/DIN EN 62271-200 [VDE 0671-200], metal-enclosed and internal arc-resistant. Additions, expansions and conversions, as well as custom designs up to 36kV, are part of the KAUTZ range of solutions.

TRANSFORMER STATIONS

We deliver compact and walk-in transformer stations and build container transformer stations for temporary building-site solutions in any system size according to your individual needs. All transformer substations for temporary building-site solutions are delivered in type-tested container construction according to IEC/DIN EN 62271-202 for 10 and 20kV. Among the additional expansion versions are SF6 technology, transformers and low-voltage switchgear as a combination, as well as a power supply company measuring station.

We maintain an extensive stock of ready, accidental arc-tested transformer stations to enable us to deliver quickly and to provide immediate assistance in the event of an operational emergency or disturbance. And the assembly-friendly design provides for quick and easy commissioning.

Our service for your power supply:

- ▶ For temporary requirements, we offer a rental and leasing service for transformer stations. For more flexibility. Don't hesitate to ask about it.



WE WORK FOR THE

GREAA

Our best reference: satisfied customers worldwide. Who repeatedly confirm that they can tell the difference in quality. And that's why they made a conscious decision to go with us. For that quantum difference.

Premium systems for premium brands.

TEST



Leistung für Chemie und Industrie



You can find additional references at:

► www.kautz-trier.com



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