



**makro**  
ELECTRONICS

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INDUSTRIAL ELECTRONICS MARKET AND SERVICES

# / Transform Electronics into a Long Runner

**MakroElectronics** is your partner of choice for the professional, manufacturer-independent repair, procurement and modernisation of industrial electronic devices and systems.

We help you to operate existing systems in the long term and at the same time equip them with the functionality of tomorrow. Our goal is to sustainably minimise your repair costs and to offer your production plant a „second life“. Our online shop has a large number of suitable new and used devices ready for you.

Many years of experience, a reliable team, great „know-how“ and owner-managed to this day:  
All this distinguishes MakroElectronics GmbH.

/ Find. Order. Run /



## ONLINESHOP

Find.  
Order.  
Run.

[www.makroelectronics-shop.de](http://www.makroelectronics-shop.de)

Reliable availability of spare parts is indispensable to operate industrial plants efficiently. We have a large number of new, used and regenerated electronic components from various manufacturers in our shop.

### Electronic components & devices

Optoelectronics / Connectors / Sensors / Terminals / and much more

### Pneumatic components & devices

Valves / Cylinders / Repair kits

### Used equipment

for automation and electromechanics

### Service

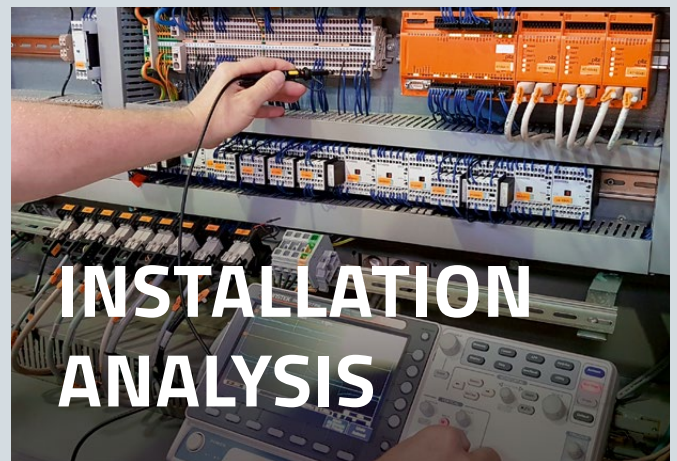
- / 1 year warranty on goods inspected by us
- / Payment by invoice for existing customers
- / Secure online shopping

## EQUIPMENT PURCHASE & SALE

Robust industrial electronics are more in demand than ever before. MakroElectronics is your specialist in the procurement and brokerage of new and used equipment and spare parts. We take over defective goods and make them work.

Our equipment and systems trade industry includes, among others, HMI operator panels, touch panels, industrial computers, PLC modules, control and drive technology. We find and organise discontinued/ obsolete components for you, e.g. electrolytic capacitors, IGBT, discrete semiconductors, transistors and thus significantly extend the service cycle of your system.

**Which device do you need?**



## INSTALLATION ANALYSIS

Our installation analysis helps you minimise sources of errors, downtime and related downtime costs:

1. Collection of all technical data.
2. Evaluation report with information on product life cycle, availability, price development and delivery times.
3. Individual solution plan for the procurement and storage of critical or difficult-to-obtain components.





## REPAIRS

Manufacturer-independent & industry-neutral

Every year, our qualified team of technicians repairs about 10,000 items. We offer repair of complete assemblies, individual printed circuit boards in professional quality and ensure that your equipment and industrial plant can remain in long-term and sustainable use.

Our repairs extend down to the component level, i.e. we only repair what is really defective. This way, we reduce costs for our customers and guarantee short delivery times.

- / Repair of displays, touch displays, motor controllers, PLC controls, IPCs, housings
- / Manufacturer-independent repair of electronic components, e.g. from Beckhoff, B&R, dmc Atlas, Lenze, Mitsubishi Electric, Rexroth Indramat, Schaltag, Siemens

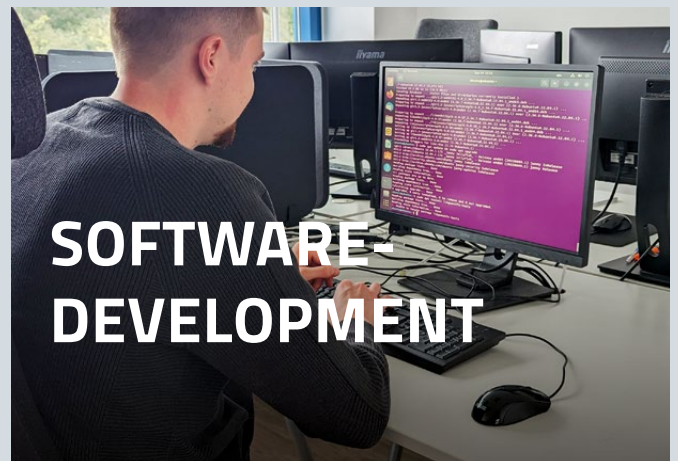
## ON-SITE TECHNICAL SERVICE

We are happy to come to you for system analysis, maintenance, repair, spare parts installation and retrofitting.

## SEMINARS & TRAININGS



Stay technologically up to date. We help you to understand your equipment and system, as well as to train your repair skills. We look forward to hearing from you.



## SOFTWARE DEVELOPMENT

Tailor-made solutions for your success:

### / Programming

Control and drive technology, operating modes, recipes, machine configuration

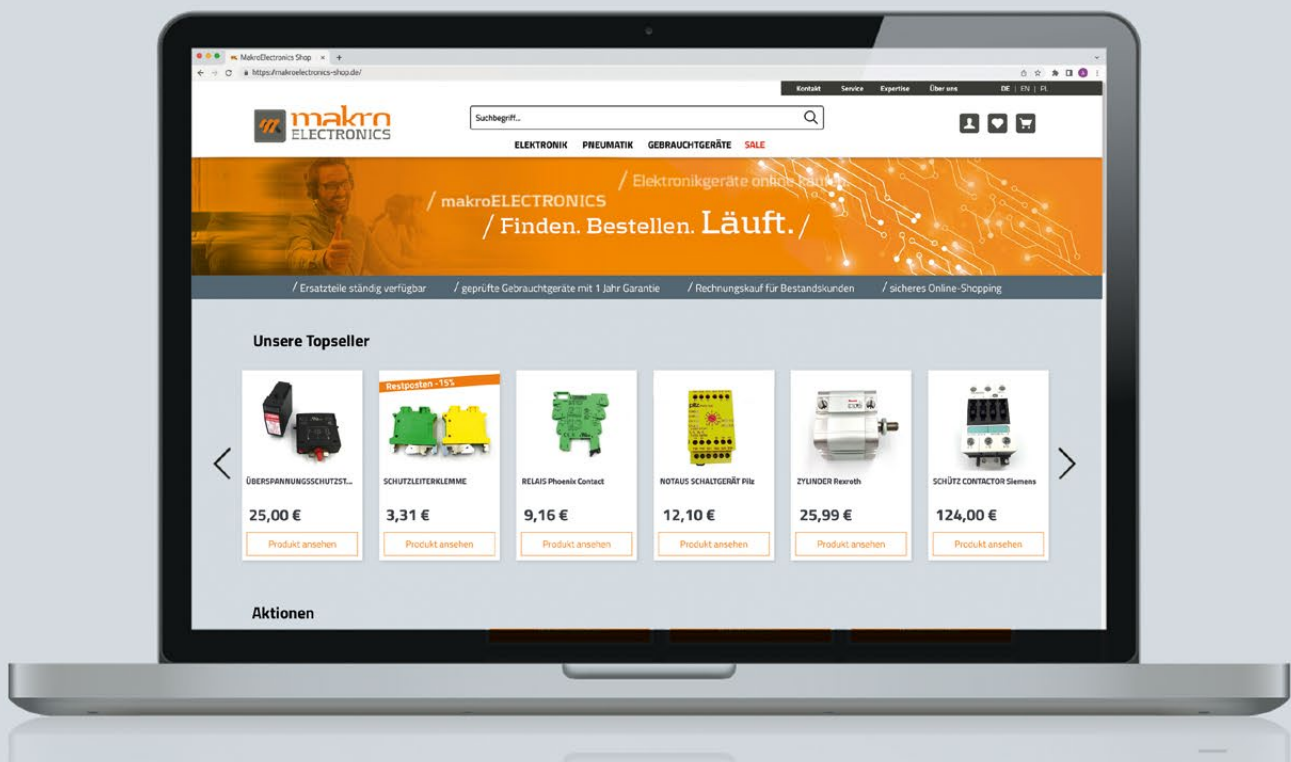
### / Visualisations

#### **(components/installations)**

Screen layouts with icon design, operating procedures, 2D and 3D presentation of processes and components

YOUR NEW WEBSHOP FOR INDUSTRIAL ELECTRONICS

Thanks to our large selection of electronic components, your industrial automation will remain in motion over the long term.  
**SHOP HERE:**  
[www.makroelectronics-shop.de](http://www.makroelectronics-shop.de)



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