

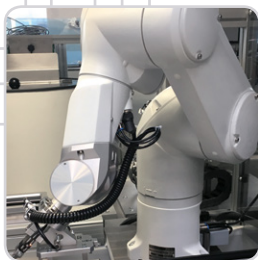
# BECK

KOMMUNIKATIONS  
ELEKTRONIK



INDUSTRY 4.0

INDUSTRY 4.0



## PRACTICAL SERVICE

FROM THE IDEA  
TO THE PRODUCT

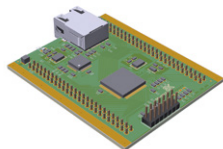
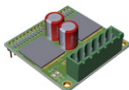
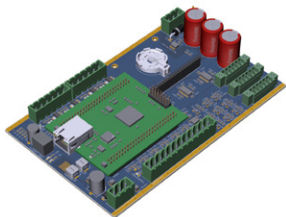
INDUSTRY 4.0



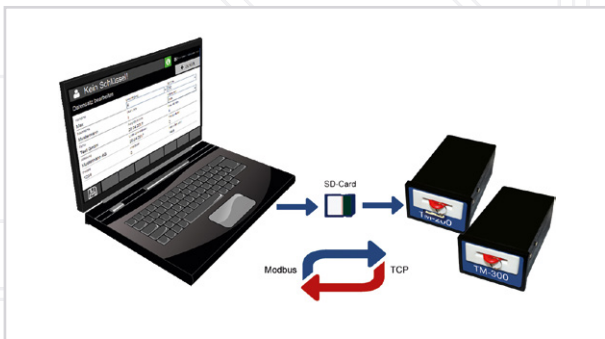
# OPERATING CONCEPT

Innovative operating concept with capacitive touch technology for machine and plant engineering.

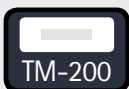
To meet the requirements of our customers with increasingly complex control systems, we develop customer-specific controllers and PLC modules with *Modbus TCP* interfaces.



# ELECTRONIC KEY SYSTEMS



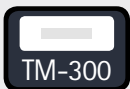
At the moment many machines have passwords or simple key switches. **The decisive disadvantage of such systems is that the machine activation is not personalized.** Elderly systems do not track which employee has activated a machine at what time.



**Our TM-200 offers you exactly this:** each activation is documented employee related, since each employee carries their own personalized RFID key.

This degree of personalization and documentation ensures that your company can work safely on the machines. With our system, it is no longer possible for an employee to work on a machine without the annual safety instruction required. This is ensured by a built-in software to which compares the current date with the employee's last safety briefing.

Since each RFID key has a specific authorization level, unauthorized operations and tasks of a machine or plan can be prevented.



For larger organizations, it is possible to network our TM-300 device and centralize or unlock the personalization of each working unit. Due to the network capability of the TM-300 series, it is fully scalable and can be integrated into existing large-scale systems (e.g. Siemens PLC).



Even with our smallest product, the TM-100 it is possible to realize a simple electronic key system. With the functions of a key holder or a password with the great advantages of the RFID keys. All RFID keys of the TM-Series are compatible. In the future each employee in your company will have on RFID key to unlock any system or machine for which he is authorized.

We are happy to visit you in your company and give you the opportunity to test our device.

## CONTACT US:

by phone: +49 (0) 7771 8068668

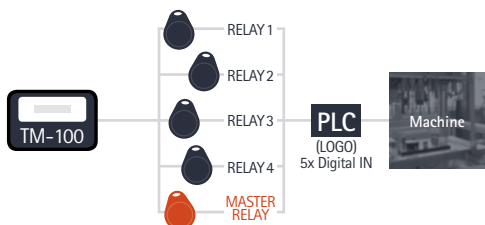
by mail: [mail@beck-electronics.com](mailto:mail@beck-electronics.com)

or visit our website first:

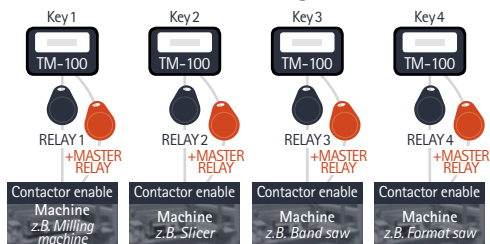
[www.maschinenfreischaltung.de](http://www.maschinenfreischaltung.de)

# VARIANTS

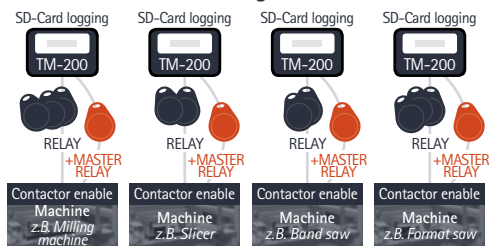
## TM-100 Authority management



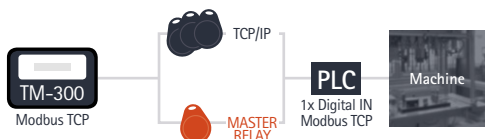
## TM-100 Machine Management



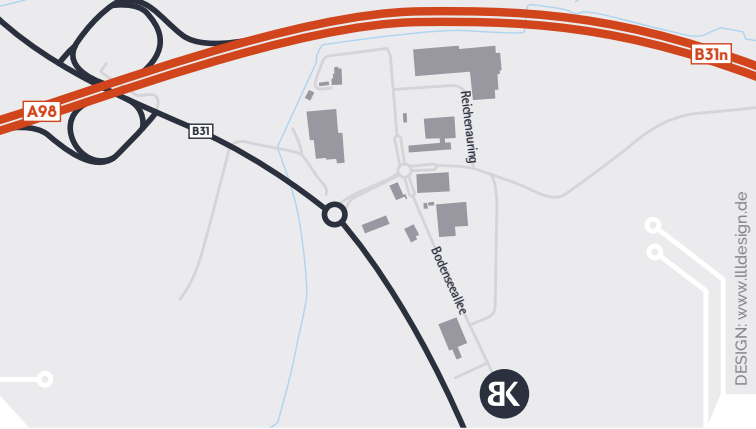
## TM-200 User Management



## TM-300 Machine Management



Industry 4.0  
Machine



DESIGN: www.illdesign.de

# PERFORMANCE

We offer customized complete solutions:

From product definition to the delivery of a fully developed and cost-optimized electronic component.

## HARDWARE-DEVELOPMENT:

*Circuit design, EMC compliant layouts, review process according to V model, support for prototypes and series production with certified suppliers and much more*

## SOFTWARE-DEVELOPMENT:

*Software design, requirements management, software testing, documentation, platforms, version control*

## PROJECT MANAGEMENT:

*Project scheduling, project structure plans, definition of work packages, cost control, documentation and developments according to V model*

## MECHANICAL DEVELOPMENT:

*Housing construction, electro mechanics, 3D-Visualization, 3D-Printing*



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