Further information about our EKS systems

For detailed information about the various EKS systems and the accessories, please refer to the product catalogs or visit our homepage at www.euchner.com

Product information

http://www.euchner.de/en-us/Products/Electronic-Key-System-EKS

Catalogs and flyers for download for EKS *Light* and EKS with data interface

Flyers

http://www.euchner.de/en-us/Service/Downloads/Flyer/Electronic-Key-System-EKS

Catalogs

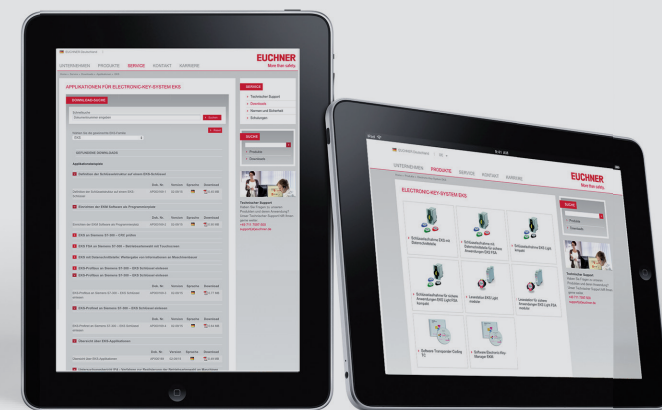http://www.euchner.de/en-us/Service/Downloads/Catalogs
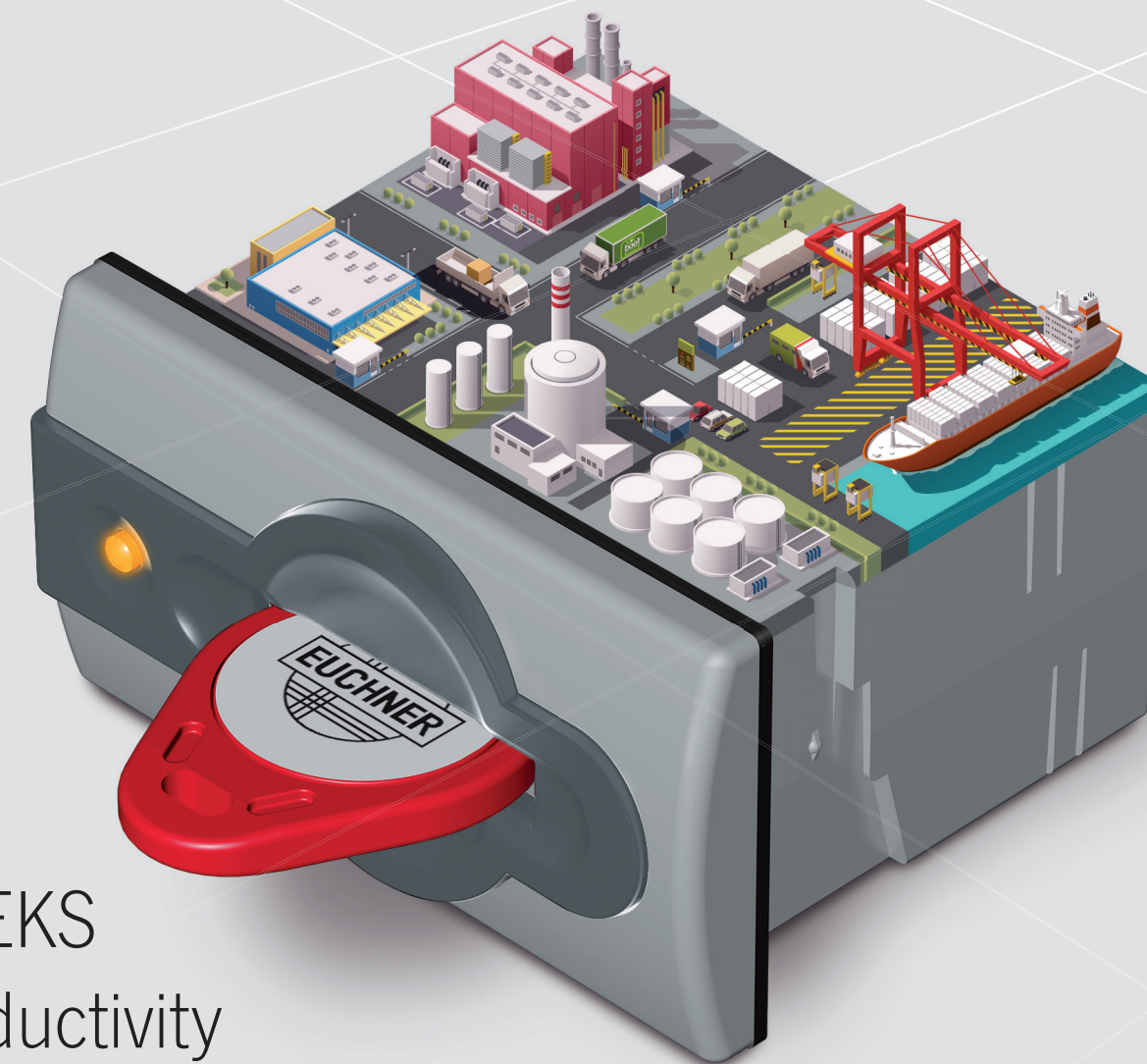
EKS technical documents for download

Applications

http://www.euchner.de/en-us/Service/Downloads/Applications/Electronic-Key-System-EKS

Manuals with technical details

http://www.euchner.de/en-us/Service/Downloads/Operating-instructions

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Electronic-Key-System EKS
Your key to greater productivity
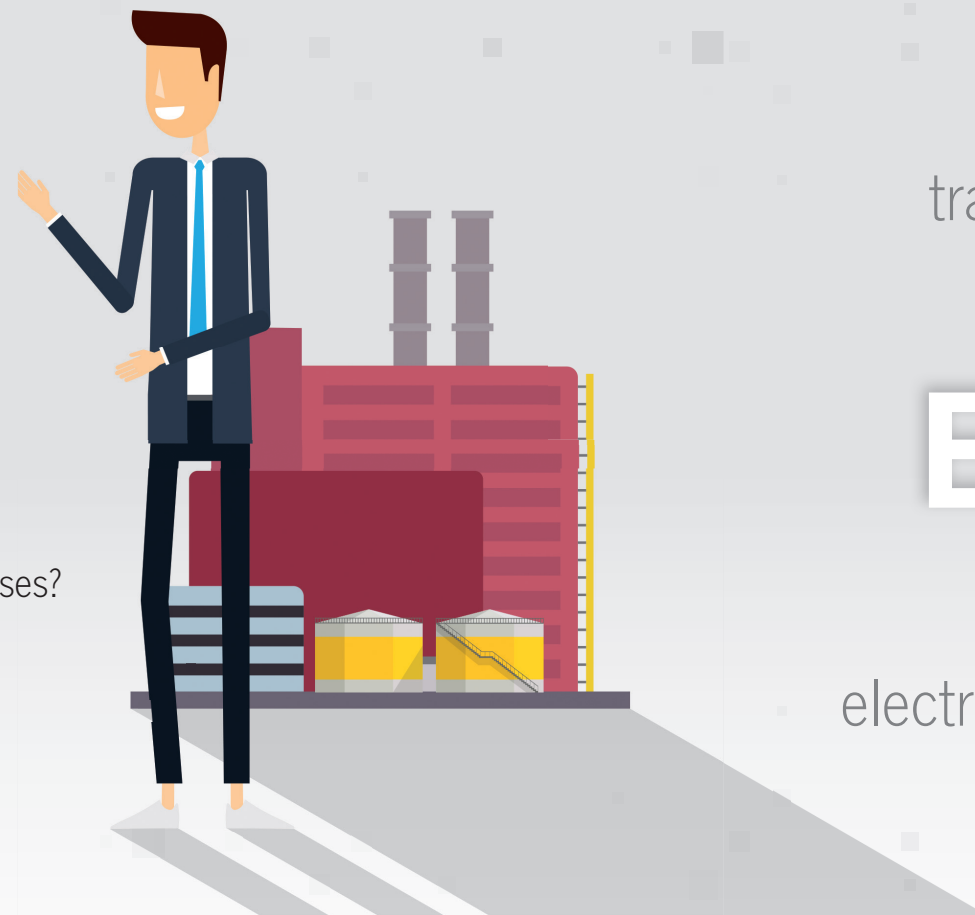
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Did you know...

...that, day in and day out, the Electronic-Key-System EKS ensures greater **efficiency** in many processes of diverse branches?

... that the EKS offers you maximum **flexibility** in assigning access rights?

...that the EKS can contribute to providing more **safety** and **security** for your employees, installations and processes?

... that the EKS can help to safeguard the **quality** of your products?

... that using the EKS provides more **transparency** and better **traceability** ?

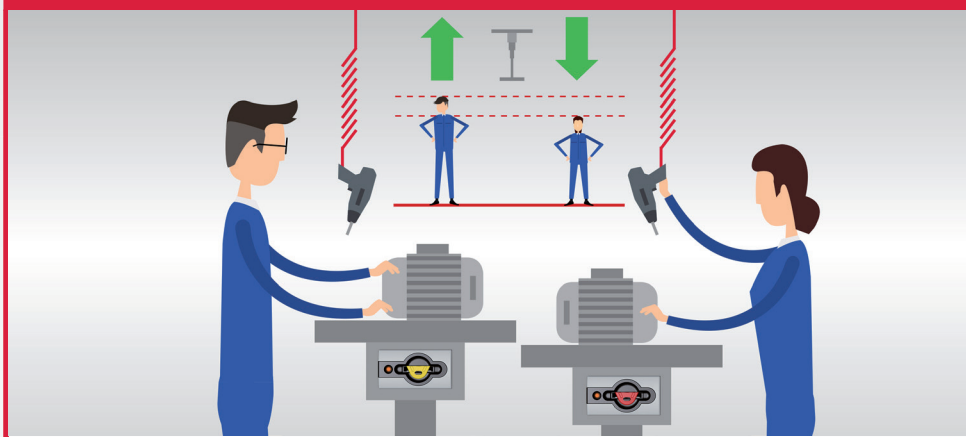# What is an EKS?

read/write system

data memory · suitable for industrial use

transponder technology · replaces passwords

robust · identification · high degree of protection

Electronic-Key-System

access control · universal · data exchange

electronic signature · easy to use · Electronic-Key database

many interfaces · personal Electronic-Key · RFID

freely configurable · rapid switchover
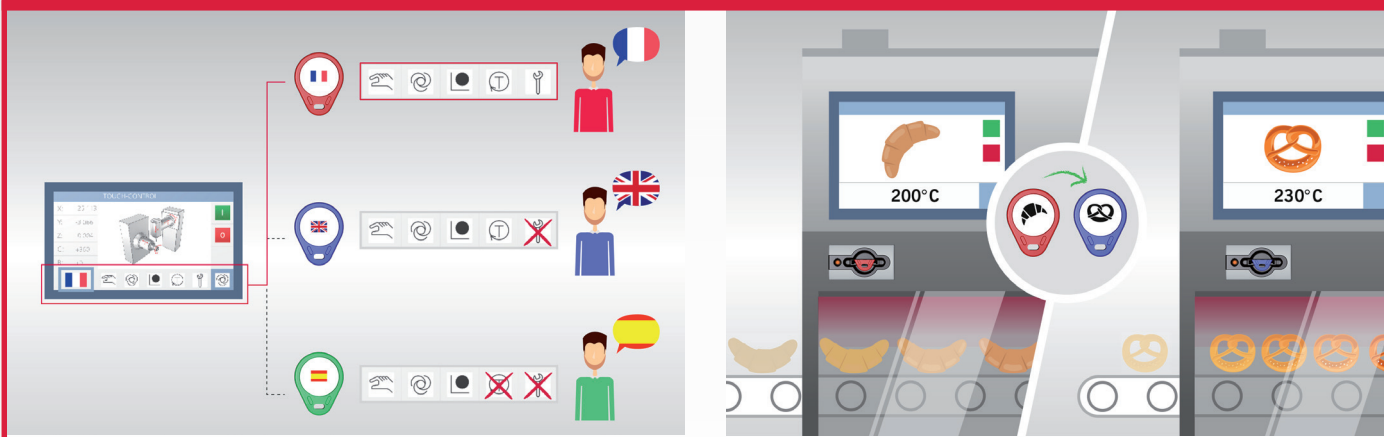
Increase user friendliness

Simple personalization of workplaces

Shift operation usually involves one workplace being shared by several people. Use the EKS Electronic-Key for quick and easy customization of the workplace for every employee. The required settings are read directly from the Electronic-Key, and setup takes place automatically. The settings can include various ergonomic parameters like the table height at an assembly workplace.

Simple shutdown

Block access to the machine when the employee leaves the installation to go on break or get materials, for example. All operating access is blocked automatically when the Electronic-Key is removed. Manual log-off is not necessary. The employee simply takes the Electronic-Key along. All this is possible without a keyboard.

Save time

Rapid switchover of user profiles

Rapid switchover of user profiles on user interfaces accelerates your work flows. The user profile of the respective employee is automatically adopted from his personal Electronic-Key at shift change, for example. Besides adaptation of the authorizations, it is possible to change the user interface language. All this is possible without a lot of typing or passwords.

Shorter setup times

Setting up a machine normally requires numerous settings. Save them on the EKS Electronic-Key. As soon as the EKS Electronic-Key has been placed, the machine reads the new process parameters and is ready to produce something else.

Manage physical access control

Conveying items

Use the EKS to restrict access to certain areas. A luggage handling access area could be protected by a roll-up door, for example. The roll-up door is raised with the aid of the EKS Electronic-Key to admit items.

Access to protected area

Control access to sensitive areas with the EKS system. For example, access to a safety zone can be monitored and logged by the use of EKS.

Increase safety at the workplace and reduce downtimes

Avoid machine failures due to incorrect operation

Incorrect manual interventions due to inattentiveness or lack of knowledge can put production at risk. Restrict access by allowing only authorized persons to perform these interventions.

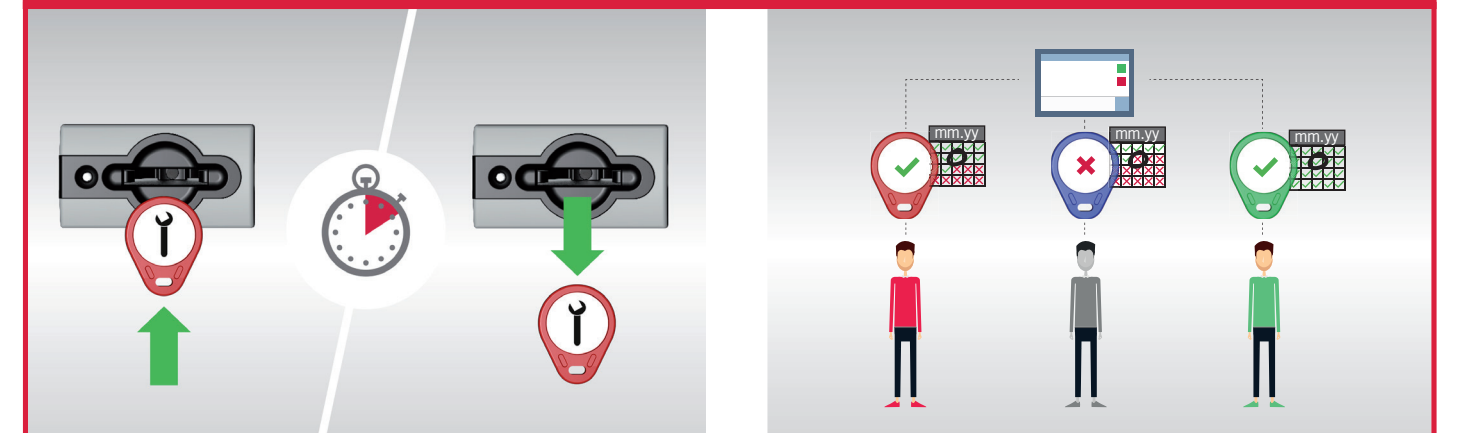**Avoid accidents due to authorization groups**

Adapt the authorization levels to the operator's level of training: Trainees have only restricted access to machine functions, skilled workers have expanded access and service technicians can additionally work in special operating modes. Use the EKS to help ensure that only trained personnel can use certain operating modes.

Increase productivity

↓

Decrease costs!

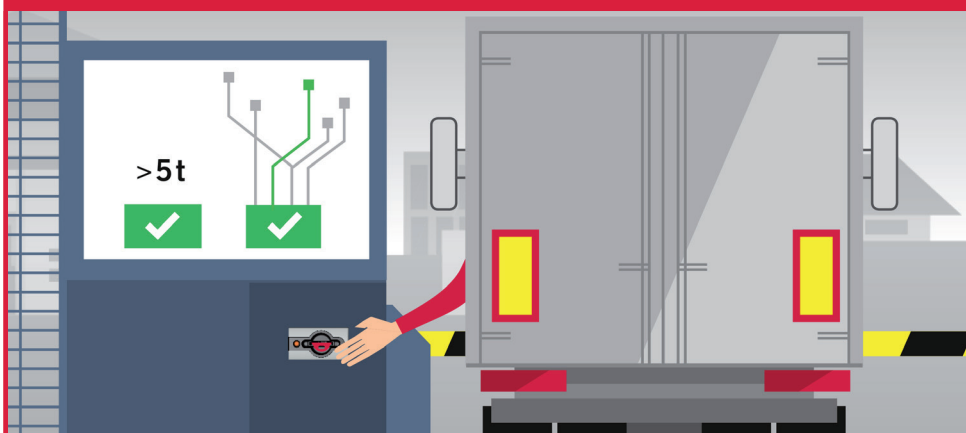## Record access operations and flexibly manage user rights

Automatic logging of work/repair times

Use the EKS Electronic-Key to log the service/repair time on a machine. The repair time is logged while the service technician's Electronic-Key is placed. This provides transparency and simplifies data acquisition.

Flexible assignment of individual access authorizations

Flexibly assign authorization levels for each employee. This allows only the functions that are relevant for the current user to be shown on the machine control system's display, for example. This provides clarity while avoiding operating errors and undesired access. The EKS also offers the option of blocking Electronic-Keys and preventing tampering on Electronic-Key data. For this purpose, the Electronic-Keys can be provided with a safeguard such as an expiration date.

Automate enterprise resource planning procedures

Automatic assignment of loading and unloading points

Avoid time losses by assigning suitable loading and unloading points for each type of product and storing this information on the EKS Electronic-Key. For example, a pump station for a specific fluid can be switched on only with the correct EKS Electronic-Key. This prevents the supplied product from being unintentionally pumped into the wrong container.

Automatic recording of delivery quantities

Simultaneously record the delivered quantity when logging on with the EKS Electronic-Key at the loading/unloading point. This allows you to allocate the delivered quantity to the supplier immediately. This reduces the documentation effort and simplifies automatic accounting.
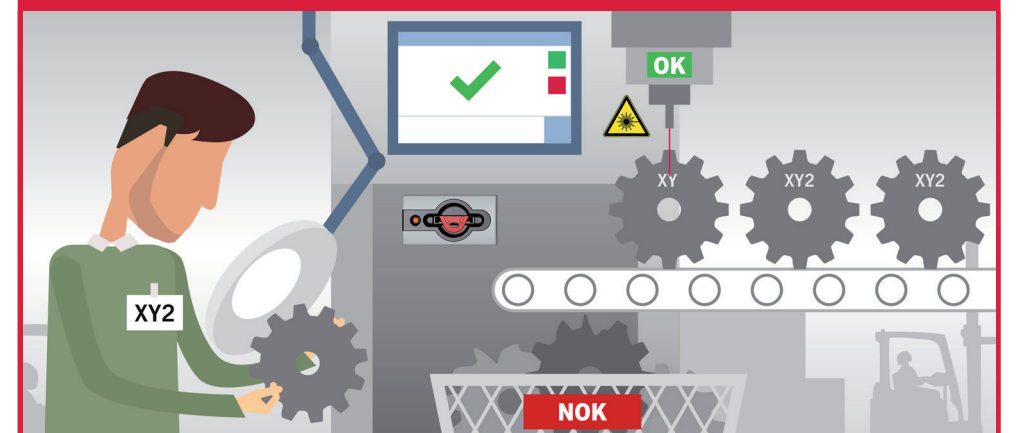
Assure quality

Protect recipes and settings against unauthorized access

A good product needs to have a consistent quality. This requires protecting recipes and all quality-relevant values. Store these data on the Electronic-Key. Information, such as the mixing ratio of ingredients or temperature settings, is encoded on the Electronic-Key. The control system evaluates this information and controls the process fully automatically.

Restrict changes to quality-relevant settings

Some quality-relevant settings must not be changed by just anyone, but only by qualified specialist personnel. Store this authorization on the EKS Electronic-Key.

Document procedures

Traceability though electronic signature

Personalized EKS Electronic-Keys help you to document procedures. Quality-relevant work steps or test results are personally acknowledged by the individual employee. This information is typically recorded in a database. Individual identifiers, such as the inspector number, can be transferred to the product. This increases the traceability of your procedures.

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