

FELSS

The smarter way of forming.



FELSS DIGITAL

Discover

e4.0

the smarter way of forming



Felss Digital Apps



FROM MANAGEMENT TO TROUBLESHOOTING

The Felss Digital Apps expand the functionalities of the edge device and help to optimise complex forming processes. They offer wide range of applications - from managing and analysing your production data to predictive maintenance and troubleshooting.

With these solutions, we not only contribute to resource efficiency, but also ensure that your machine efficiency at a new level.



BASICS

Basic functions such as user management, operating status, quantities, alarm list and data history. Data is available for further processing via the OPC UA server.

DATA RECORDER

Recording of relevant process data generated during the manufacture of the .

SERVICEKONTAKTE

Your access to the Felss Service Team.

DOKUMENTEN VIEWER

Here you can view technical documents such as the machine manual or drawings directly.

HISTORY

contains the production data for production batches that have already been completed.



SETUP

Manages the setting of tools and components as well as all relevant process parameters.

SUPPORT

Support for fast tool set-up for new production batches, minimisation of rejects and avoidance of damage caused by incorrect settings.

BAUTEILVERWALTUNG

Manages settings for workpieces that are on the machine.

TOOL MANAGEMENT

Management of tools and change parts, definition of change intervals and recording of tool history for process improvement.

PROZESSPARAMETER

Direct influence on the process parameters required for production, such as speeds and travel distances.



SERVICE

Includes the following functions and support assistants:

MAINTENANCE

Planning and monitoring of preventive maintenance, machine snapshot in the event of a fault.

TROUBLESHOOTING

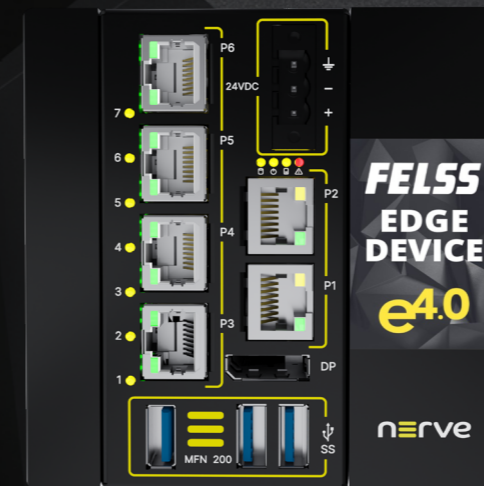
Step-by-step instructions for quick troubleshooting and the option to expand the error catalogue.

SNAP SHOT

A practical function for recording and saving all relevant machine data and settings at the time of triggering.

Felss Edge Device

The Felss Edge Device is the basis for Industry 4.0 solutions integrated into Felss machines. It also includes a unit for edge computing, gateway functions and includes remote maintenance access.



EDGE COMPUTING

Fast data processing directly at the machine.

REMOTE MAINTENANCE ACCESS

Fast troubleshooting by experts (requires Internet access).

GATEWAY

Interface for data exchange.

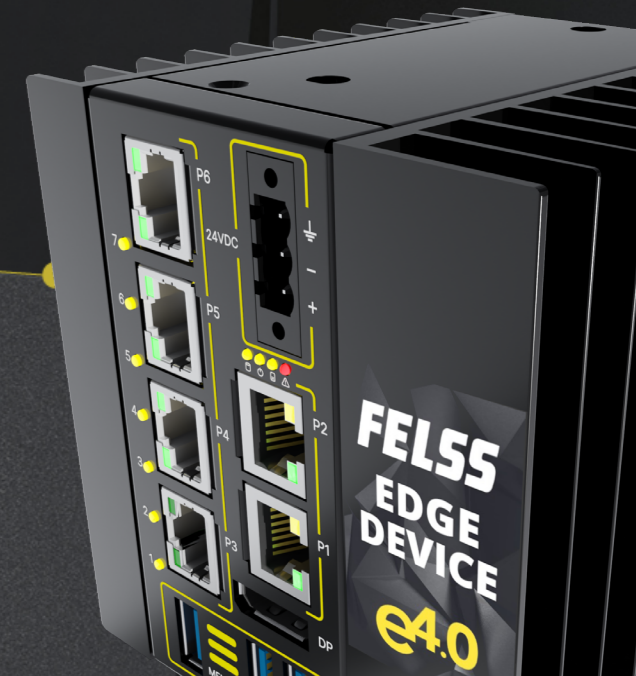
The results can be visualised locally or on decentralised computers.

FUNCTIONALITY

With the edge device, all important machine, production, process and component data is recorded and stored with high performance. The computing power enables real-time analyses, data filtering and knowledge generation directly at the data source. This significantly reduces the volume of data for transfer to IoT platforms. At the same time, a wide range of assistance systems and supporting functions are available to you production, process monitoring and maintenance.

INTEGRATION IN MACHINES

The Edge Device from Felss can be integrated directly into our machines, both for new and existing machines, as a retrofit. The edge device is installed and connected in the machine's control cabinet. Additional sensors within the machine enable communication as well as precise data acquisition and evaluation. We only hardware and software solutions from our technology partners for connectivity. They fulfil the highest safety standards in the Step-by-step instructions for quick troubleshooting and the option to expand the error catalogue. Processing and transmission of data.



FELSS

The smarter way of forming.

THE FELSS GROUP

The Felss Group is your solution provider in the field of cold forming.

As lightweight construction experts, we develop the optimum solutions and processes for our customers

from product development to the machine or even to the finished component in component manufacturing.

production.

Around 800 employees are already working with our customers today on the challenges of tomorrow - at our locations in Germany, Switzerland, Slovakia, USA and China.

FELSS SYSTEMS

Optimising the development of machines, production systems and processes.

FELSS ROTAFORM

Component production from specialists, even in large series.

FELSS GROUP GMBH
Dieselstraße 2
D-75203 Königsbach-Stein
T +49 7232 402-0
F +49 7232 402-122
info@felss.com

www.felss.com

