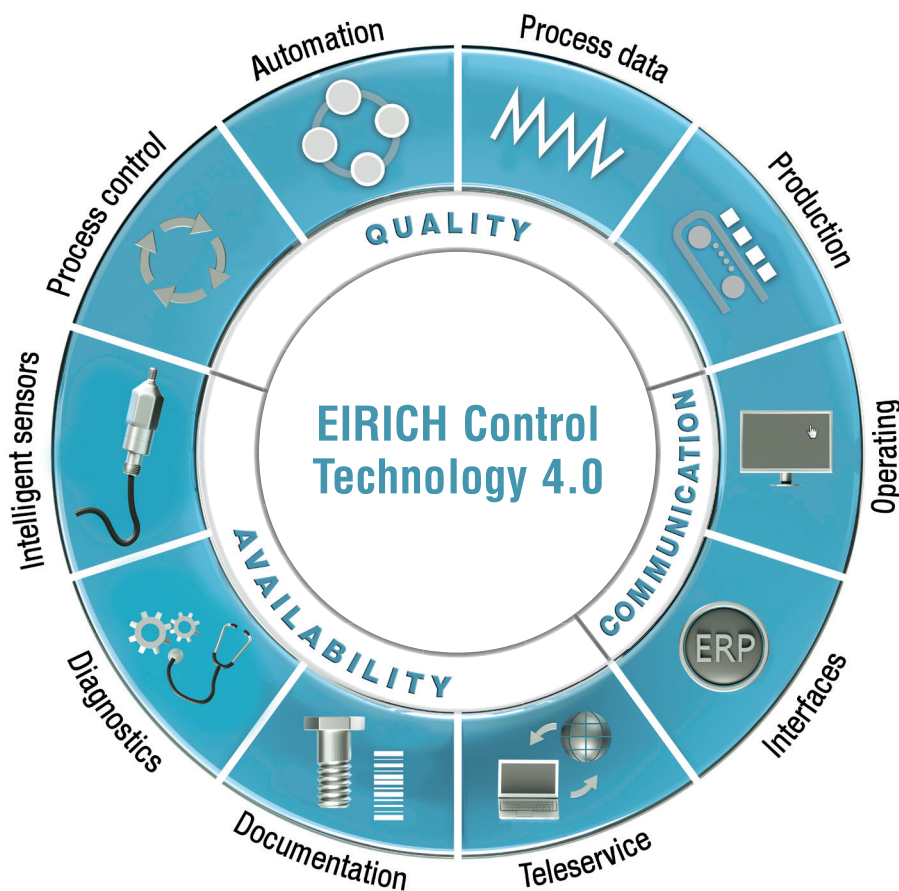


Control solutions for the preparation of ceramic bodies

- Assured quality
- Enhanced productivity
- Increased performance



Control solutions for the pre

Quality

Process control

- Process control and regulation based on recorded process data such as temperature, humidity, power or torque
- Process control by controlling tool speed, moistening, drying, heating or cooling
- Observance of substance-specific limit values such as maximum energy input or product temperature

Automation

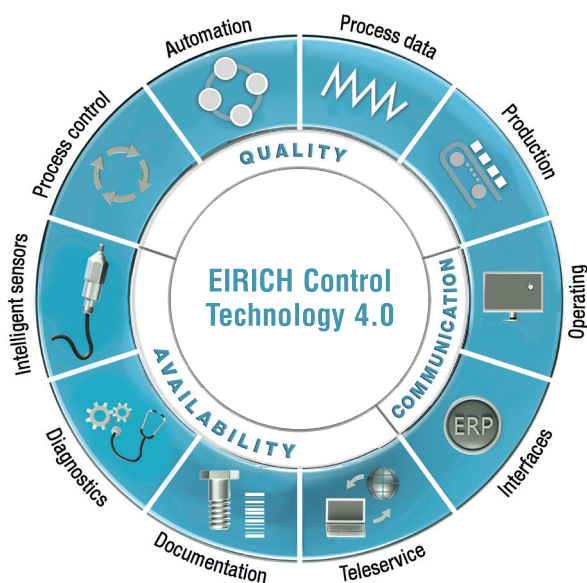
- Reliable automation of the entire plant with EIRICH intensive mixer and peripheral equipment
- Individual control solutions for the entire mass preparation process
- Interconnection of all system components

Process data

- Batch-related archiving of process data and clear presentation of protocols
- Balancing of production quantities and raw material consumption
- Recording and graphical visualization of process data sequences for detailed traceability and recognition of correlations

Production

- Formula management for product-specific definition of process engineering sequences and raw material additions
- Individual production orders based on flexibly configurable formulas
- Ident systems for the identification of raw materials with Barcode, QR code or RFID
- Reliable traceability of user actions through operating logs (audit trail)
- Monitoring of product incompatibilities during formula changes to avoid contamination and product carryover
- High dosing accuracy even with very small quantities



paration of ceramic bodies

Communication

Process visualization

- Easy operation and graphical representation of the complete system
- Modern HMI systems for graphical visualization of production processes and plant states
- On-site operator panels for entering and displaying product and batch information
- Detailed status display of all sensors and actuators of mixer and system components
- Standard features include formula management, batch logging, measured-value recording and many others

ERP interfaces

- All current database systems and data file formats are supported
- Transfer of production orders or formulas from the ERP system
- Batch logs, formulas, consumption and production quantities can be transmitted to the ERP system

Availability

Teleservice

- Module for remote support of machines and systems
- Efficient technical assistance
- Faster reaction times resulting in increased system availability

Documentation

- Identification of installed components by graphical navigation in the general system layout
- Simplification of spare parts inquiry and order process
- Quick access to the complete documentation of the EIRICH supply scope

Diagnostics

- Module for online condition monitoring of your machine
- Preventing unplanned downtimes
- Enables a just-in-time ordering of spare parts, thus reduced stockkeeping

Intelligent sensor technology

- Central parameter setting of linked sensors (also via EIRICH teleservice)
- Sensor replacement without special parameter setting tools
- Increased operational reliability by self-monitoring sensor technology

Industrial Mixing and Fine Grinding Technology

Tradition and innovation since 1863

EIRICH stands worldwide for a comprehensive range of products and services in the field of preparation technology. Its particular focus is on mixing and fine grinding technology, with know-how developed over 150 years of close cooperation with industrial users, universities and research institutions.

Pursuing a corporate philosophy of operating internationally and thereby ensuring close proximity to every customer, the EIRICH Group has secured its place in all the key economic regions of the world.

The focus is on innovative technology for machinery and systems engineering designed to offer solutions for high-standard preparation tasks from a single source.

Applications and process technology with own test centers, a high vertical range of production and comprehensive after-sales service provide the ideal basis for the development of modern and economical processes for a multitude of industries.

**Building materials – Ceramics – Glass – Carbon paste – Battery paste
Friction linings – Metallurgy – Foundries – Environmental protection**

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