



# **PROCESS TECHNOLOGY**

### **HISTORY**



The company's objective was mainly general metal works

Anton Köllemann focusses on conveying and process technology

Köllemann supplies equipment for heating cooling and drying The self-cleaning screw is improved, now any sticky material can be handled

The worlds longest powder mixer is delivered to Petronas, Malaysia It can reach temperatures up to 600°C and uses electricity. It utilizes liquid metal for heat transfer.



# **PROCESS TECHNOLOGY**

## THE STATUS QUO: CONVENTIONAL SYSTEMS

Traditional heating methods



#### **Heating Medium**

Relies on thermal oil or steam.

#### **Temperature Limit**

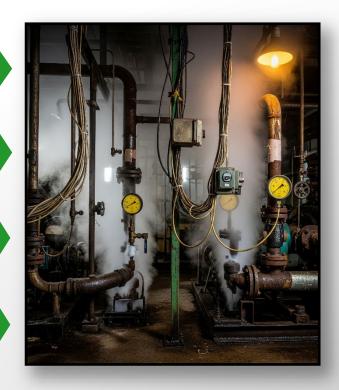
limited to approx. 300-400°C.

#### Infrastructure

Requires complex peripherals (boilers, extensive piping, pumps).

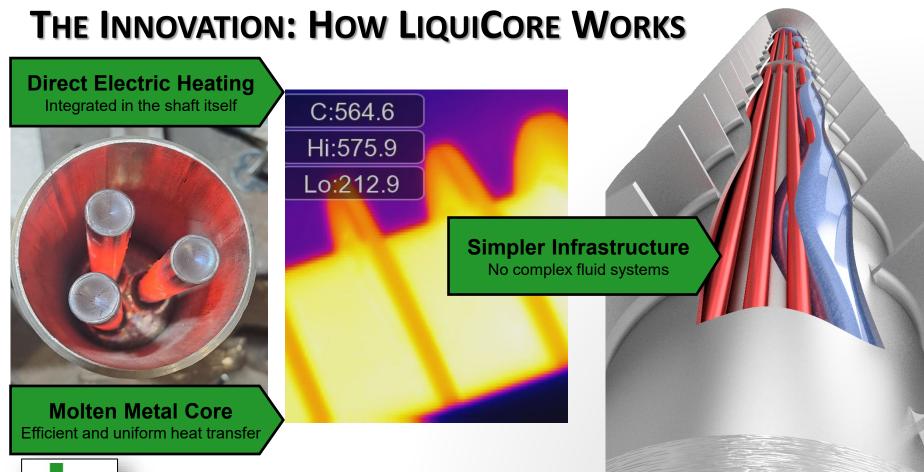
#### **Maintenance**

High effort due to flanges, potential leaks, and boiler upkeep.



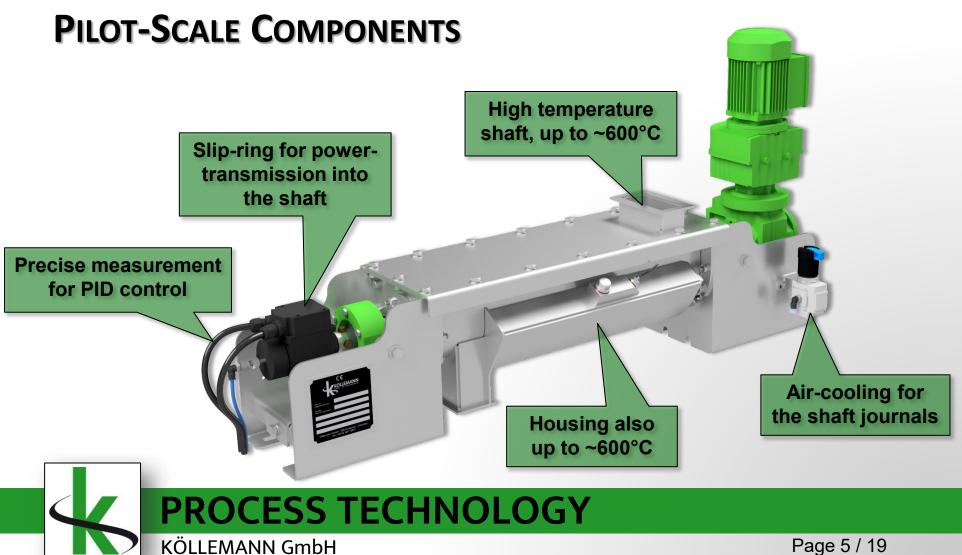


## **PROCESS TECHNOLOGY**

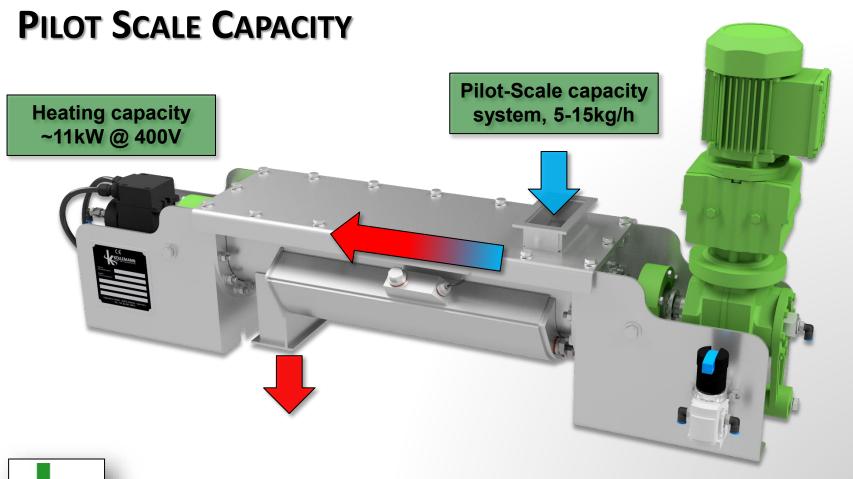




## **PROCESS TECHNOLOGY**



Page 5 / 19





# **PROCESS TECHNOLOGY**

### **APPLICATIONS**

Pyrolisis & Recycling & PFAS reduction





# **PROCESS TECHNOLOGY**

### **CONTACT**

#### Köllemann GmbH

Am alten Wehr 9-12

**D-53518 Adenau** 

Germany

Phone: +49 2691 308 0

Fax: +49 2691 308 90

Email: info@koellemann.de

Web: <a href="http://www.koellemann.de">http://www.koellemann.de</a>

