

More than 250,000 agitators are operating worldwide in various industrial applications. With the business unit "Process Plants", EKATO offers a complete range of tools and know-how for the optimization of stirred reactors and chemical plants.

EKATO  
Rühr- und Misch-  
technik GmbH

Hohe-Flum-Str. 37  
79650 Schopfheim  
Germany

Tel. +49 (0) 7622 29-0  
Fax +49 (0) 7622 29-213  
E-mail: [info@ekato.com](mailto:info@ekato.com)

# Process Plants



EKATO

Process Analysis/Development  
Scale-up to Commercial Scale  
Delivery/Start-up  
Process Guarantee



## EKATO Process Plants

When it comes to engineering and developing chemical plants, EKATO offers a comprehensive package of services and equipment which is based on stirred processes. Drawing from specific practical knowledge and innovative methods concerning the equipment and plant engineering, EKATO supplies the conceptual design, detailed engineering and planning as well as the procurement and delivery of process plants starting from the basic process idea up to a technically reliable and economically secure solution.

Based on pilot tests and 80 years of experience in the scale-up of mixing equipment, EKATO provides the customer with process guarantees and a high-quality production plant.

### Prerequisites for reliable scale-up to commercial scale plants:

- Detailed knowledge of the process and operating conditions
- Extensive testing capabilities
- Comprehensive expertise using applicable scale-up methods

#### A Concept design:

- Process analysis
- Process flow diagram
- Mass balance
- Block diagram
- Cost estimation

#### B Plant engineering:

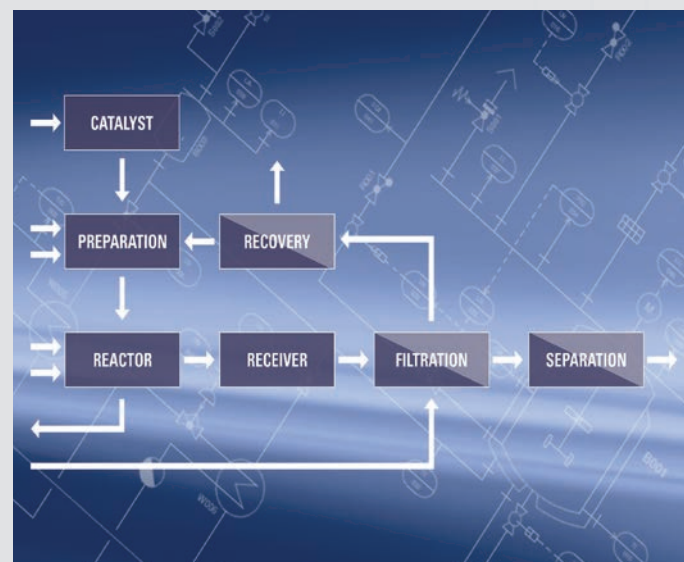
- P&ID
- Scale-up
- Plant layout
- Safety concept
- Specifications for plant and equipment

#### C Execution:

- Project management
- Clarification of interfaces
- Expediting
- Manufacturing of components
- Delivery of complete plants

#### D Operation:

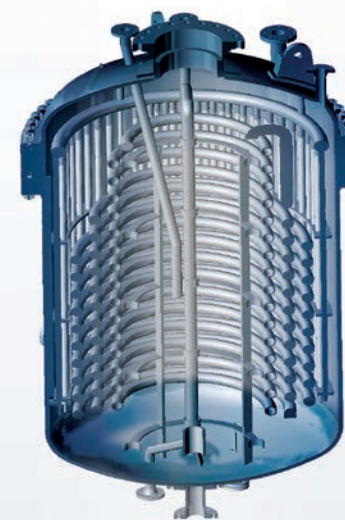
- Process guarantee
- Assembly
- Commissioning
- Complete solutions ready for operation



**A** Concept



**B** Draft of plant layout



**C** Execution



**D** Operation