

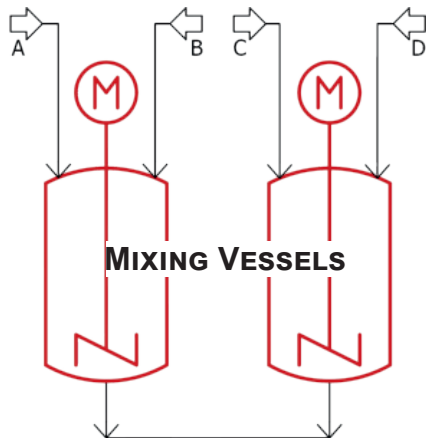
# DEBOTTLENECKING BY CONTINUOUS PRODUCTION

## INCREASE YOUR CAPACITY

### PROBLEMS WITH BATCH PRODUCTION



### SOLUTIONS WITH CONTINUOUS PRODUCTION



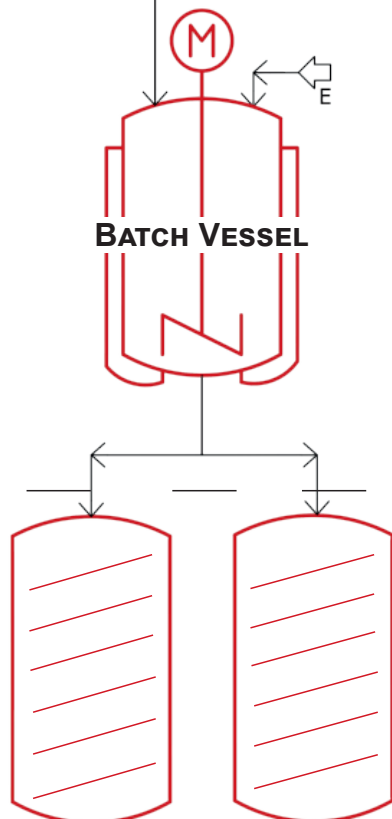
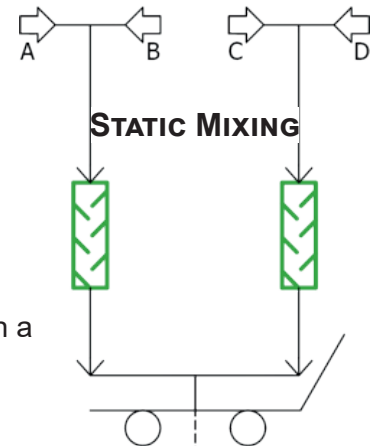
More tanks needed → high space demand

Not mobile

#### PRE-PRODUCT PREPARATION

Install additional mobile mixing stations → space savings >90%

Mobile design mounted on a movable skid



Fixed installation with high space demand

Extensive process times due to large mass & heat transfer distances

Potential safety issues due to high reactor volume

High manpower demand

#### REACTION

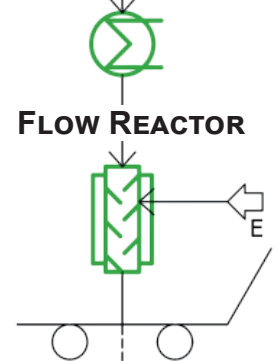
Mobile installation with small space demand

Short process times due to enhanced mass & heat transfer

Increased safety due to reactor volume reduction

Reduced manpower due to easy automation

#### HEAT EXCHANGER



#### STORAGE

Batch release by sampling

High storage demand due to buffering of the batch

Quality fluctuations due to lower process capability

Product release by online/inline analytics

Low storage demand due to online/inline drumming

Stable quality due to continuous manufacture

# DEBOTTLENECKING BY CONTINUOUS PRODUCTION

## INCREASE YOUR CAPACITY



### STEP 1: EVALUATION OF THE CURRENT STATUS

- Execution of an on-site workshop
- Definition of debottlenecking opportunities
- Suggestion for further procedures



### STEP 2: DESIGN OF A DEBOTTLENECKING CONCEPT

- Conceptual engineering
- Process flow diagram
- Automation concept



### STEP 3: ENGINEERING & PLANT CONSTRUCTION

- Basic engineering
- Detailed engineering
- Plant construction



### STEP 4: PLANT DELIVERY & START-UP

- Installation on-site
- Plant start-up
- Site acceptance test

**BOOK YOUR DEBOTTLENECKING WORKSHOP WITH US NOW!**

PLEASE CALL WALTER LINHART (+43 650 8018001) OR DIRK KIRSCHNECK (+43 699 11510667)