

## Partnership .....

Processing systems are developed in close co-operation with the customer. A good team work and co-ordination of the different requirements guarantee a successful concept. Possible problems by the integration into existing systems are avoided.

## Universal .....

By the combination of different applications – in combination with a recipe control – the processing systems may be used for a variety of different end products. One system – many applications.

## Rational .....

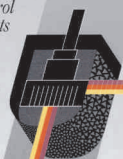
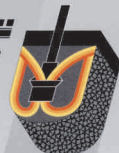
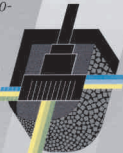
By using components that function with each other, an enormous potential of rationalising is given.

## Flexible .....

From a manual operation up to a SPS controlled system – each concept may be realised. The integration into existing process control systems is possible. Computer controlled receipt control with direct weighing of the different components facilitate the handling and the control when producing a variety of products with one system.

## Safe .....

Turn-key processing systems are being tested together with the customer prior to delivery. The systems are installed on site by ystral technicians and a start-up is carried out. A processing guarantee from ystral provides the required assurance for successful production.



# PROCESSING SYSTEMS

# Ystral

For each branch specific solutions are offered, such as:

- **BABY FOOD**  
Recipe control for different products with automatic CIP cleaning and sterilisation of the whole system.
- **FLAVOUR AND COLOURS**  
Weight and volume depending induction and dispersing of different powders – either as a pilot or as a production system, there are no limits.
- **PRODUCTION OF PIGMENT SUSPENSIONS**  
Induction of large amounts of powder from a BigBag or from a silo into a system with two mixing tanks and flip stop process cycle.
- **INLINE SAPONIFICATION**  
Automatic barrel handling with dosed induction, wetting and dispersing of the powder.

#### The ystral program

Jetstream mixers
Dispersing mixers
Batch dispersers
Inline dispersers
Powder wetting machines
Laboratory dispersers
Stands
Processing systems

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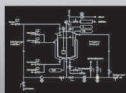
# Ystral



## PROCESSING SYSTEMS

# PROCESSING SYSTEMS

As an experienced and innovative enterprise in the production of machines, components and processing systems, ystral offers complete solutions for a variety of processing tasks. The program offers individual machines up to production and turn-key systems. Processing systems are designed and built on the basis of the reliable ystral mixing, dispersing and powder wetting machines. Advantage of this concept: planning, trials, execution and start-up – all from one source – from ystral.



## CHEMISTRY

- Sealing mass
- Fibres, films, foils
- Foam material



## PAINT AND LACQUERS

- Dispersion paint
- Printing ink
- Industrial lacquers



## FOOD

- Milk products
- Drinks
- Flavours, colouring



## COSMETIC

- Cream
- Shampoo, shower gel
- Tooth paste



## PHARMACEUTICAL

- Tablet coating
- Skin gel
- Fermentation solutions



## WATER & WASTE WATER

- Neutralisation
- Flotation
- Filtration

## PROCESS TECHNOLOGY

- Mixing
- Mixing and dispersing
- Batch and Inline dispersing
- Batch and Inline powder wetting

## COMPONENTS

- ystral mixing, dispersing and powder wetting machines
- Vessels
- Piping
- Monitoring and control systems
- Switch boards
- Mimic panels
- Powder handling
- Lifts
- CIP



Processing system for cosmetic premixes, batch size 6.000 l



Production of emulsions, batch size 1.000 l



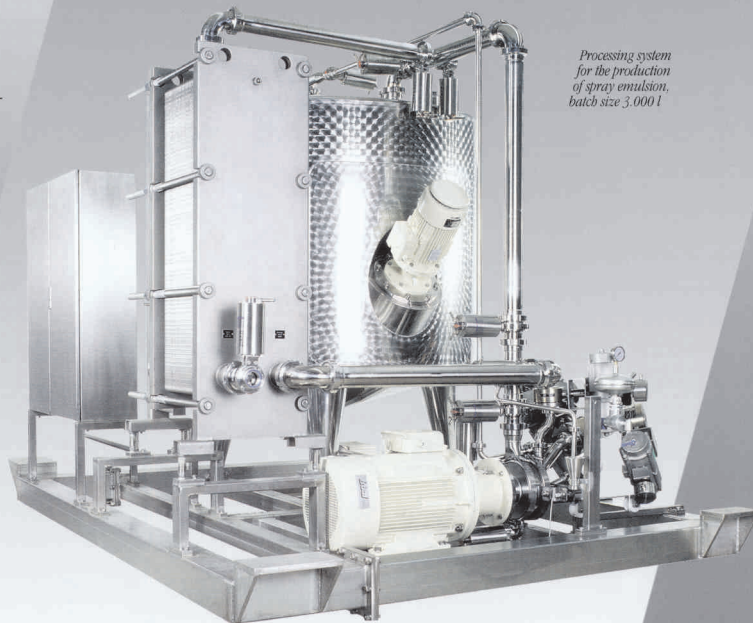
Universal pilot plant system for the production of emulsions and suspensions, batch size 100 l



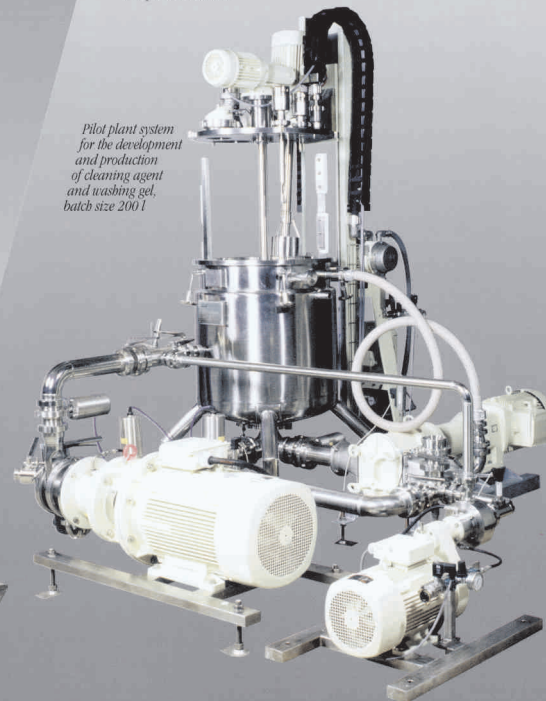
Container emptying station for remnant-free emptying of transporting containers, such as buckets with paste or extracts



Moveable powder fluidiser FSA-5 with paper bag banding



Processing system for the production of spray emulsion, batch size 3.000 l



Pilot plant system for the development and production of cleaning agent and washing gel, batch size 200 l

