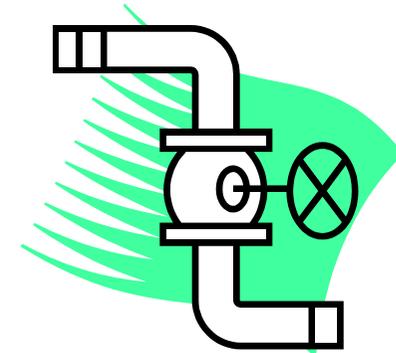




# Dryer for yeast industry



**Biotechnologie  
Kempe GmbH**

**Plant construction**

Autor : E. Kempe



## What we deliver :

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- ✓ Basic Engineering

- construction drawings for dryer head, cyclons and silos
  - process documentation
  - equipment documentation
  - pipng and instrumentation documentation
  - electrical documentation

- ✓ Hardware

- Control fittings
  - Ventilators, air conditioning unit,  
blower for product discharge
  - Fluid bed dryer substructure
  - Measuring equipment and process control system



## Process Data

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- **Wet yeast from extruder**

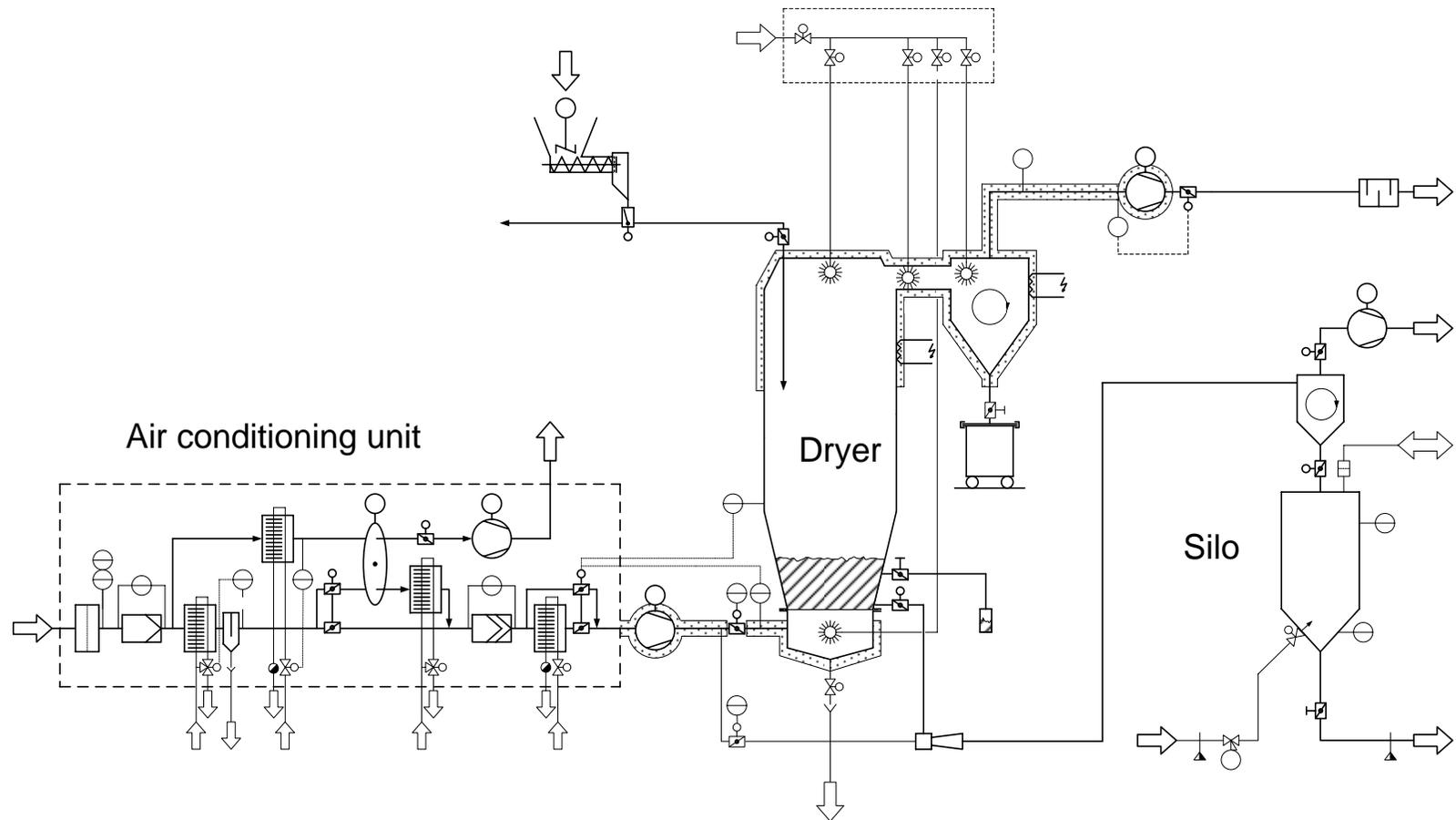
flow rate:	5.000 kg/h
humididity:	32-34% dry substance
extrudates:	files max. Ø 0.5 mm
range of batch size wet :	400 -750 kg

- **Dry yeast after drying**

Humidity :	93 – 96% dry substance
range of batch size dry :	130 – 250 kg
temperature:	30 -35 °C
discharge time:	approx. 8 -15 min



# Flow sheet





## Point of installation : JSC Enzym \* L'viv , Ukraine



Building of yeast dryer plant



Fluid bed dryer substructure

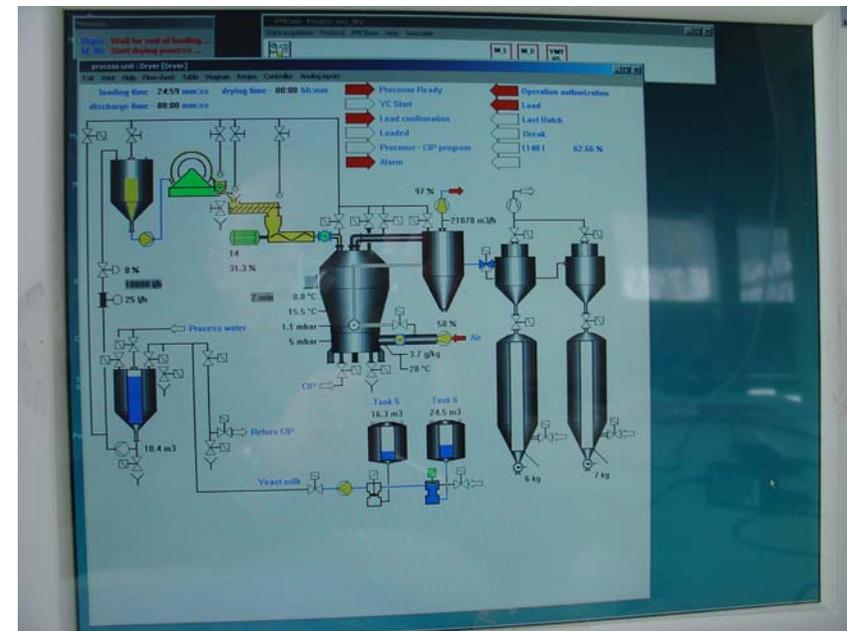


Dryer head and cyclone

# Process control with FMC



Panel for  
hand operation



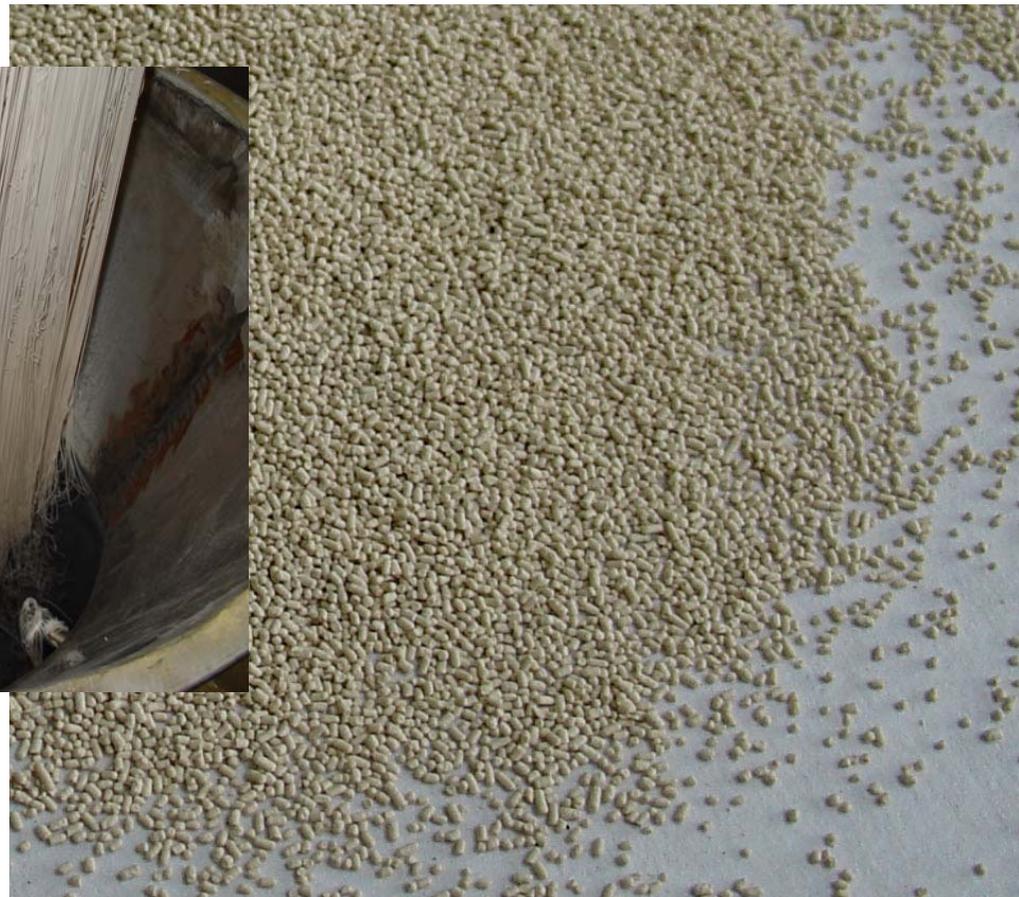
Computer flow sheet

# Dry yeast production

Input of extudates yeast



finished dry yeast



## Other parts of dry yeast plant



Air condition unit



Fluidisation part



Discharge valve



Dry yeast silos