



## **Products & Services**

Indirectly Heated Dryers

Dewatering Screw Presses

Brewing Technology

Customised Solutions



## **Innovative initiator with more than 100 years of experience**

With Ponndorf Anlagenbau, you'll choose your professional partner for the

- » **brewing**
- » **wood**
- » **starch**
- » **biomass upgrading and waste recovery industry.**

Ponndorf develops, manufactures and delivers

- » **indirectly heated drying plants**
- » **screw presses for dewatering**
- » **pneumatic conveyors and silo systems**

From comprehensive personal consulting to installation of complete turn-key plants, your project will be in good hands.



# Versatile. Highly developed. Reliable.

## Indirectly Heated Dryers

### Tubular Bundle Dryers

- for drying of free flowing materials like
- » wood chips, spent grains
  - » maize germs, maize hulls, maize gluten

Heating: saturated steam, water or oil  
Heating temperatures: 140 up to 210°C  
Heating surface: 25 up to 1000 m<sup>2</sup>

Water evaporation: up to 10000 kg/h

### Disc Dryers

- for drying of pasty materials like
- » sewage and paper sludge
  - » grape grains, grieves

Heating: saturated steam,  $P_e = 6$  bar  
Heating surface: 25 up to 350 m<sup>2</sup>

Water evaporation: up to 3500 kg/h

### Cylinder Sump Dryers

- particularly designed for gentle drying of yeast

Heating: saturated steam,  $P_e = 3$  bar  
Heating surface: 0,75 up to 32 m<sup>2</sup>

Water evaporation: up to 1000 kg/h

## Dewatering Screw Presses

Designed for continuous dewatering of wet products.

- » up to 15 t/h wet material input
- » up to 6 t/h pressing water
- » robust welded construction
- » pressing sieve made of stainless steel
- » frequency controlled slip on gear mechanism
- » variable product yield by means of adjustable pressing force
- » large inspection flaps

### Cylindrical Screw Presses

- for dewatering of
- » malt spent grains
  - » maize hulls, wheat gluten, carrot shreds
  - » meat extracts, apple pomace
  - » manioc pulp and other materials

### Conical Screw Presses

- for dewatering of
- » maize germs, spent hops, coffee grounds
  - » rumen contents, plastic granulates
  - » saw dust, paper and other materials

### Options

- » hydraulic control of pressing force
- » reinforced screw
- » divided pressing screen
- » retention conus
- » complete construction in stainless steel

## Brewing Technology

### Wet spent grains conveyors

- » 50 up to 800 kg/min conveying capacity
- » robust slip on gear mechanism
- » non-return valve (Stopper)
- » dewatering socket
- » low air consumption
- » easy cleaning of pipes by means of a cleaning ball

### Silo Dispensers

- » 500 up to 1500 kg/min dispensing capacity
- » robust slip on gear mechanism
- » integrated dewatering socket

### Options

- » chronometric / pressure sensitive dispensing measurement
- » electric heating unit
- » electric telescope chute for adaption to loading vehicles

### Silos

- » up to 400 m<sup>3</sup> storage capacity
- » completely equipped with ladders, allround safety railings and ventilation
- » gratings in the silo cover

### Options

- » diverse weldable construction materials
- » electric stirring device to overcome bridging of spent grains in the conical silo part
- » ball collecting and return system

## Customised Solutions & Service

Delivering customised products according to your personal wishes is also a special service of Ponndorf, covering a wide range of industries. Naturally, we will support you to develop your best individual solution.

Furthermore, we offer intense feasibility testing of your wet material in our lab facilities. This way, we will be able to detect the best mechanical or thermal dewatering technology for your purpose.

Besides, you can lease our screw presses for a small cleaning charge und carry out your own experiments at your site. Experience the quality and performance of Ponndorf products!



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