



Ponndorf Anlagenbau GmbH

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Innovative Initiator

With Ponndorf Anlagenbau, you'll choose your professional partner with more than 100 years of experience for the

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

Ponndorf develops and manufactures

- » 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.

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 and drying plants for a small cleaning charge und carry out your own experiments at your site.

Experience the quality and performance of Ponndorf products!

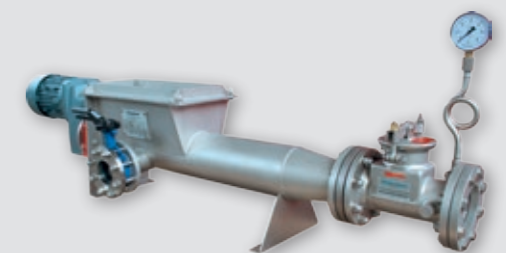
Brewing Technology

Wet Spent Grains Conveyors & Receiving Vessels

Silo Plants & Discharging Devices

Spent Grains Driers & Yeast Driers

Accessories & Special Solutions



System Solutions and Equipment for Breweries

Wet Spent Grains Conveyors & Receiving Vessels

Our pneumatic wet spent grain conveyors allow for reliable transport of the wet spent grains from the lauter tun or mash filter to the silo plant. Short brew cycles are guaranteed by using a receiving vessel.

- » special screw design
- » robust slip on gear mechanism
- » non-return valve (stopper)
- » low air consumption
- » low maintenance
- » easy pipeline cleaning by using a cleaning ball

Specifications:

- » conveying capacity 50 to 800 kg/min
- » net volume 4 to 40 m³

Wet Spent Grains Silos & Discharging Devices

Our silos are specially designed and manufactured to meet the needs of our customers.

The discharge device attached to the silo is used for controlled, fast and clean loading of the transport vehicle.

Options:

- » insulation and heating
- » output quantity control, fill level-dependent or time-controlled
- » ball collection basket for easy removal of the ball after the pipeline has been cleaned

Specifications:

- » silo capacity 5 to 400 m³
- » discharge capacity 500 to 1,100 kg/min
- » low-maintenance operation
- » long service life

Accessories & Special Solutions

We offer a wide range of accessories, long-term supply of spare parts and individual special solutions that meet your needs.

- » telescopic slides
- » screw presses for spent grains dewatering

- » pneumatic conveyors for hops
- » non-return valves (stoppers)
- » diverters
- » stirring devices for installation in the silo cone for overcoming bridging with highly viscous spent grains



Spent Grains Driers - Series RK

We use our indirectly heated tube bundle driers for energy-efficient and gentle drying of **spent grains**.

In terms of their design, these driers are horizontally rotating tube bundles. The heating surface contains steam heated tubes that are rolled into tube plates at both ends. Lifting and transport shovels are attached to the outer periphery of the bundle, through which the material is transported in the axial direction and continuously supplied to the heating surface.

Brewer's grains with relative moisture contents of up to 85% can be processed into storable dry goods.

Specifications:

- » heating by means of saturated steam
- » steam temperatures of up to 200° C
- » heating surfaces 25 to 2,000 m²
- » water evaporation of up to 10,000 kg/h
- » surface specific drying performance 3 to 6 kg/m²h
- » mounted on a sturdy base frame for easy installation
- » automated drying operation
- » total insulation for outdoor use
- » design according to local standards and certificates

Yeast Driers - Series S/G

We use our indirectly heated drum driers for energy-efficient and gentle drying of **brewer's yeast**.

With this particular type of drier, the yeast is located under a rotating cylinder from which a thin yeast coat is picked up. This yeast coat is then dried during a single turn of the cylinder and scraped off by using a knife.

Brewer's yeast with relative moisture contents between 75 and 85% can be dried and packed into storable bags.

Specifications:

- » heating by means of saturated steam
- » steam temperatures of up to 150° C
- » heating surfaces 0.75 to 32 m²
- » wet yeast drying performance 50 to 1,200 kg/h
- » water evaporation of up to 1,000 kg/h
- » uniform dry yeast quality through high precision cylinders
- » hydraulic drives
- » steel cylinders (series S) / cast cylinders (series G)
- » mounted on a sturdy base frame for easy installation
- » automated drying operation
- » design according to local standards and certificates

