Welcome to the WALDNER Corporate Group

For more than one century WALDNER has been setting standards.

For the benefit of our customers our business divisions take advantage of our cross-border capabilities. With their size and their involvement in the Corporate Group the three WALDNER companies represent stability, expertise and continuity.

Today the WALDNER Corporate Group consists of three independent companies:

WALDNER Laboreinrichtungen GmbH & Co. KG

Hermann WALDNER GmbH & Co. KG

Dosomat Filling and Closing Machines

Process Systems

Water Technology

WALDNER Labor- und Schul-einrichtungen GmbH
WALDNER Process Systems
The complete production process from one source.

From the single unit up to complete systems WALDNER Process Systems as a business unit of the Hermann WALDNER GmbH & Co. KG offers customized procedural solutions for the pharmaceutical, chemical and food industry.

• Isolators and containments
  Full containment systems for the contamination-free handling of highly active and toxic substances (API) and isolators for sterile applications.

• Drying technology
  Mobile vacuum contact dryers for dust-free powder handling, vacuum tray dryers conform to GMP standards, intermittent and circulating air tray dryers.

• Vessels, skids and units
  Vessel technology, ranging from single preparation, pressure and reaction vessels to complete units and single-layer pressure filters.

• Cooking systems
  Batch cooking lines for the food industry, amongst others for the production of aseptic fruit preparations, jam and many more.

• Container systems
  Round and cubic returnable container systems in stainless steel.

Including the process measuring and control equipment our products can be combined on the basis of the modular design principle. From competent advisory service on the process development and planning to the realization of turnkey projects, we provide you with an individual service package.

A Process Systems line has an average service life of several decades and a successful, constant collaboration with our customers is our principal goal. Not after delivery of the line, but after a perfect integration into your production process we consider a project as a success. Experienced engineers and technicians are at your disposal for the qualification of the lines (DQ, IQ, OQ) and provide support with validation. The training of your staff, support and advisory service, as well as reliable supply of spare parts is a matter of course to us.
The most important ingredient for a successful product.

In focus: Your product
You provide the raw material and the recipes – we have the procedural know-how.

The products, which are produced with our batch lines, are principally:

• high-grade fruit preparations
• preparations for the bakery products industry
• jam, compote, marmalade
• baby food
• soups, sauces
• meat dishes

But of course, on our plants you can also fabricate other products in a batch process which have to be pasteurized or sterilized.

It starts with a trial

New developments, samplings and process optimizations – these are only several challenges of your development departments, which you can solve with our pilot plants.

Process Systems has developed pilot plants especially for this task. The results achieved with these plants can be scaled up and thus provide a safe and reliable basis for the realization of new production processes or the improvement of already existing technologies. Take on the chance today to create the trends of tomorrow on our pilot plants.

Even faster at the desired goal

And if you are in a hurry, two pilot plants are at your disposal in our test laboratory. You decide if you wish to realize the trials with us in Wangen or on your premises – our “trend-setters” are mobile and very flexible with their 200 liters useful capacity. For its “visits” our pilot plant is completely equipped with control system and energy module including the complete piping. Only the media have to be connected at your site in order to put the plant into operation.

The plants are especially conceived for cooking-, defrosting- and gentle mixing processes in their basic equipment. With our single-stage pilot plant complete batch processes can be tested and optimized. The gentle working counter-rotating agitator provides a homogeneous mixing of a wide variety of products. Binding agents can be produced directly at the plant with the integrated dispersing station.

Pilot plants
Horizontal agitator for heating/cooling

Vertical pilot plant

Horizontal pilot plant
Cooking systems

The world’s best place for the production of the best products of the world.

Safety you can rely on

More than three decades experience in the international plant construction gives evidence of WALDNER Process Systems well-founded know-how in the production of batch lines for the food industry. The systems realized by Process Systems are mainly used in the field of the aseptic processing of foodstuff. Features like maintaining optimal levels of fruit integrity with a minimum of product loss, short production times, aroma recovery and aseptic safety are dominating the “cooking scene”. This means concretely: Cooking processes have to be carried out quickly and gently in order to guarantee the flavor and the integrity of the product to a great extent. When the focus is on aseptic design we benefit from our knowledge and experience of the high production standards in the pharmaceutical industries.

WALDNER Process Systems cooking lines are single-stage or multi-stage production lines in vertical or horizontal design. The standard sizes range from 120 to 5,000 liters. Especially for the production of fruit preparations Process Systems offers a cooking-and cooling technology that meets the highest demands. Furthermore we offer customer-specific special solutions. Whatever you produce – the goal is a process of constant quality that remains transparent and controllable for you at any time. The modular concept of our systems offers solutions ranging from single components to complete production lines. Specifically designed to your needs we plan the optimal process line for you. The engineering behind it is clever and sometimes surprisingly straightforward – but always made-to-measure. Many years of experience in stainless steel treatment results in the first class production and assembly of plant components and modules. In addition to the cooking and cooling lines, Process Systems of course also provides the complete peripheral equipment including piping and control system. As the lines are pretested in our company, we can shorten the times for assembly and start of operation considerably.

2,000 liters horizontal cooker as part of a complete line with 2 cookers and 2 coolers.

Charging of a cooking vessel with automatic manhole.

Vertical 2,000 liter cooking vessel
Ultra finished preparation vessel

Vessels, skids and units

Full of your ideas!

More than 25,000 realized projects in the world market give evidence of WALDNER Process Systems well-founded know-how in the planning, production and installation of preparation and pressure vessels, pressure filters and special plants. A process vessel or bioreactor barely comes close to another in all its details. The optimal design is always an individual solution which is perfectly adapted to your production activities. If vertical, horizontal or suspended design, mobile or stationary – we build the vessel according to your specifications.

For the fabrication of our vessels and skids in addition to all stainless alloy steels we also apply the most different special alloy steels with a surface finish of glass bead blasting, the coating with e.g. PTFE up to mechanical polishing or electropolishing with a surface roughness of up to Ra < 0,2µ. We offer you the latest welding and grinding technology, shielded arc welding, WIG/Argon-Arc or respectively Plasma and an own pickling and passivating plant. We also comply with your requests regarding the size of the vessels, if fermenter in bench-scale or preparation vessel in tank scale – our production is perfectly equipped for all sizes!

Our engineers are responsible for your project from the engineering to the factory acceptance test with tests like e.g. non-destructive material testing with X-ray fluorescence, surface roughness test or CIP-cleaning certificate using riboflavin test. Our quality- and environmental management system is certified according to ISO 9001:2008 as well as ISO 14001:2004. We produce our vessels according to all current rules and standards like PED, AD2000, 13445, ASME, China Licence and the TR-certificate and are therefore optimally prepared for all markets.
10,000 liters mixing vessel

2 vertical cooking vessels for the production of fruit preparation.
Container

Your product perfectly packed.

Safety you can rely on

You have the possibility to choose from our large range of standard products with a variety of different models of round and cubic containers. If the standard program does not offer you the requested container version, we quickly realize special solutions for you so that your special operating requirements are met definitely. So for example the container can be equipped with a heating jacket or also with an agitator.

Our round containers are often used in the food industry, because liquid and viscous material can be stored or transported in it optimally and with the aid of a stacking ring they can be stocked place saving one upon the other.

In order to obtain a chemically neutral overall surface the containers are subjected to a standard immersion pickling bath. For quality reasons the container tank bodies are exclusively made of stainless chromium nickel steel. The frames and underframes are optionally made of stainless steel, special aluminum alloy and galvanized steel.
Stackable round containers

Variety of container types

Round container series AT-W/S, 500 litres

Cubic tank container for liquids, 1,000 litres, with underframe

Cubic tank container for liquids, 800 litres