

# SOLUTIONS FOR FOOD INDUSTRY

## PRODUCTION

Our company manufactures products, both for individual orders (unit production) based on customer's engineering design or own engineering solution as well as short production runs for regular customers.

We specialize in equipment for food production lines such as: different types of drums (mixing, coating, polishing), industrial ovens, centrifuges, tanks (pressure and non-pressure), hoppers with integrated ladders and platforms, autoclaves and various types of dryers.

## ASSEMBLY

SFUP offers to the customers various types of technical services, employing for this purpose well equipped machinery, cranes and welding equipment.

The scope of services also includes: technical surveys, supervision and assembly of equipment manufactured by ourselves.

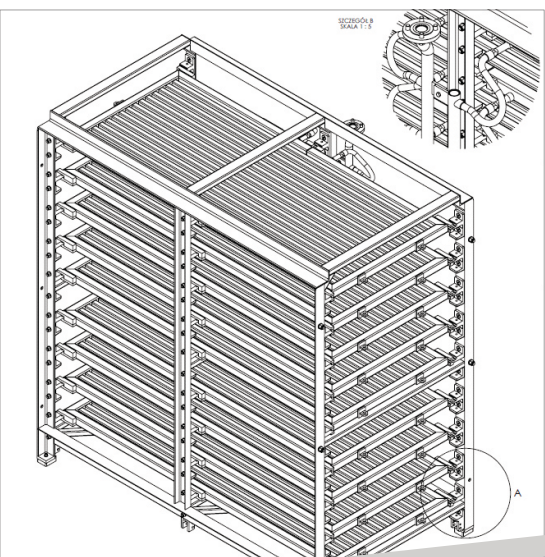
Thanks to pre-assembly in our factory the final assembly on site is shortened.

## DESIGN & TECHNICAL SUPPORT

Experienced engineering and technical staff provides our customers with all the assistance they need to solve technical problems.

Office services include:

- creating technical documentation based on customer's drafts and templates acc. to required standards,
- implementing construction changes on the handed over documentation,
- designing machines, equipment, sub-assemblies and steel structures according to customer's specifications,
- technical supervision at all stages of production,
- integration with electrical and control systems,
- VVD design and calculations,
- 3D visualisation.





## CENTRIFUGES

Three-column Filtration Centrifuge is designed for separation of mixture of liquid and solid crystalline, granular or fibrous, and for dewatering of different materials with low content from the liquid phase.

The drum, housing and all components in direct contact with the feed material can be made of 316Ti and 904L stainless steel, when required. On request, equipment may be designed for ATEX zone, provided with monitoring of the thickness of the filter cake. Additionally coating of the inside of the drum may be finished with a material which has been certified by FDA and is chemically resistant.



## DRUMS (coating, polishing, conditioning)

For all type of sweets, for chocolate, hard or soft sugar coating we manufacture different type of drums. Our drums are suitable for dry and liquid coating, polishing, smoothing and mixing of tablets, pills, expanded centres, raisins and various type of nuts. We can supply them adapted to work in a continuous or batch regime.

Drums are fully manufactured from stainless steel AISI 304 and 316L according to the strictest hygienic requirements. The capacity of the units is adjusted to the client demands. On request we deliver equipment as skid which integrate drums with liquid and dry coating feeding units, product discharging and conveying lines.

Our offer includes also technical survey, installation, supervision and commissioning of equipment.



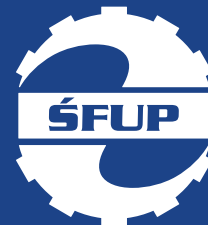
## INDUSTRIAL OVENS

Tunnel ovens are tube-shaped ovens to heat product as it passes through. Product transport is carried out on several levels by conveyors to increase the oven's efficiency. They are heated with one or multiple zones of control, above and below the conveyor belt for optimum/controllable heating.

- total length up to: 22 950 mm,
- internal diameter up to: 3 000 mm,
- working temperature approx. 190°C.







## STAINLESS STEEL TANKS / REACTORS

We manufacture and supply vertical and horizontal pressure and non-pressure vessels/ tanks/ reactors and other large-sized equipment. The proportion of stainless steel products (mainly AISI 304 and 316L) and other high-alloy steels is steadily increasing in our production.

For need of this type of production, we have prepared a special 6 000 m<sup>2</sup> production zone, so-called „white zone”, equipped with two cranes of 32t load capacity each. Our offer is addressed to all customers interested in highly durable product and its functionality, which satisfies the rigid sanitary standards.



## FEEDING / DISCHARGING SYSTEMS

For handling bulk material that can flow, including seeds, gravel and nuts we offer customized feeding/ discharging systems.

Our solutions integrate conveyors, feed/discharge hoppers and tanks. The system can be fitted to individual orders, design together with support frames and access platforms and delivered as a skid. On request, elements in direct contact with the feed material can be made of 316Ti and 904L stainless steel.



## HEAT EXCHANGERS

Among the equipment manufactured for the food industry there are heat exchangers. In our work to design pressure vessels and heat exchangers, the engineering team uses Visual Vessel Design™ (VVD). This software package allows us to perform comprehensive engineering and what is important analyse the designed components and collect detailed data.

We supply various type of heat exchangers made out of both carbon and stainless steel.



## AUTOCLAVES

An autoclave is a machine that uses steam under the pressure to kill harmful bacteria, viruses, fungi, and spores on items that are placed inside a pressure vessel. In the food industry they are used for the sterilization of canned and hermetically packed foods where a treatment above 100 °C is required.

Integrated control system of autoclave allows for repeatability of the process parameters thus ensuring high product quality.





## WHY WE ARE RIGHT PARTNER FOR YOU?

SFUP Sp. z o. o. is a company whose aim is to provide a **complex service** for clients with respect to planning, design and manufacturing industrial equipment and apparatus as well overhaul and modernization services of own industrial equipment and installations.

- Over 10 years of experience in food and 70 in heavy industry,
- All-in-one: design office, production and installation services,
- Project **integration** and **customisation**,
- Short series and unique single items manufacturing,
- Production workshop of 25 000 m<sup>2</sup>, 14 m height, 100 tons lifting capacity, which allows for on site assembly and FATs of large units,
- Isolated stainless steel workshop area of 6 000 m<sup>2</sup> with two cranes of load capacity of 32 tons,
- 200 experienced workers.

### SWIDNICKA FABRYKA URZADZEN PRZEMYSLOWYCH SFUP SPOLKA Z O.O.

58-100 SWIDNICA, WINCENTEGO WITOSA 4  
TEL. +48 74 64 99 100, [WWW.SFUP.PL](http://WWW.SFUP.PL)

[WWW.SFUP.PL](http://WWW.SFUP.PL)  
[SALES@SFUP.PL](mailto:SALES@SFUP.PL)



Management System  
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Certificate Conformity of the Factory Production Control  
2451-CPR-EN1090-2014.1303.004

Want to know more? Check us on:

