



# PRODUCT CATALOG



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**MODERN**  
MACHINE PARK



**PROFESSIONAL**  
IMPLEMENTATION



**MANY YEARS**  
OF EXPERIENCE

**Instal-Inox** offers comprehensive implementation in the field of assembly and execution of industrial installations made of acid-proof steel, carbon steel and aluminum. It is the producer of storage, process, technological and utility hot water tanks, mixers, melters as well as vibrating sieves made of high-quality stainless steel. The company is located in Gniewczyna Łańcucka in Podkarpacie, Poland. The company has an extensive and modern machine park, thanks to which it is able to provide services at the highest level.

All products are tailored to the needs and requirements of the customer who participates in the production process from start to finish. We know that each project is unique, which is why we approach orders individually.

We encourage you to familiarize yourself with the catalogue. We guarantee aesthetic, accurate execution of commissioned works, high quality, punctuality and professionalism. The experience gained during several years of presence on the market and the high qualifications of employees make the company able to cope with even the most complex tasks.

# RIBBON MIXERS



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**Ribbon (horizontal) mixers** are made of a U-shaped trough, end walls and a horizontal ribbon mixer. One of the walls of the mixer is in a screwed version, in order to repair the mixer and its seals in the future. The upper hatch can be lifted on gas or pneumatic actuators, permanently bolted or it can be equipped with a smaller inspection hatch to control the mixing process or to add raw materials without interrupting the mixing process. The cover can be equipped with virtually any type of connectors, depending on the customer's needs.



**POTATO STARCH**  
MIXER

Unloading from the mixer takes place through the centrally located discharge stub and agitator blades, which scoop the raw material onto the discharge spout. The discharge from the chamber is sealed with a flap closed with a pneumatic actuator. The flap is flush with the bottom of the mixer.

Ribbon mixer is ideal for mixing loose materials (dry dusty, granules, liquids and pastes). The main advantages of this type of ribbon mixers are easy operation and maintenance, wide range of applications, relatively low demand for electricity and gentle mixing process.



## DOUGH MIXERS

Mixers available in our offer are used to mix substances and create masses. We produce professional, industrial dough mixers. Mixing is done by rotating the paddle agitator in the tank. All elements in contact with the product have a smooth surface or are made of corrosion-resistant stainless steel.



## SPICE MIXERS

We offer our customers mixers for loose products, such as spices or food additives. The devices are made entirely of acid-resistant steel, equipped with specially designed agitators that allow for thorough mixing of the entire batch.



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## INDUSTRIAL TANKS

We make various types of storage, process and technological tanks, in various configurations, made of stainless and acid-resistant steel. All our tanks are created based on many years of experience combined with innovative technological solutions, using only branded components and certified high-quality steel, which ensures high efficiency, durability and low failure rate.





# LARGE-SIZED FILTER

# USABLE HOT WATER TANKS



**Usable hot water tanks** are steel or stainless steel tanks in the shape of an oval, cylinder or cuboid, in which hot water supplied by another heat exchanger is stored. They are equipped with one coil (monovalent) or with two coils (bivalent – solar). They can be hanging, standing or integrated with the boiler. The tank is usually insulated with polyurethane foam or polystyrene to reduce heat loss, and inside it is enameled to protect against corrosion. In modern utility hot water tanks, a magnesium or active titanium anode is used. This solution guarantees protection against scaling and corrosion.

The capacity of the tank depends on the number of people using the installation. In the event of a small water requirement, a model with a capacity of 15–30 liters per person is sufficient. The tank should be installed in accordance with the assembly method provided for the given model of the device – vertically or horizontally. It is important that the pressure in the network does not exceed 0.6 MPa and is not lower than 0.1 MPa. DHW tank usually installed near the heat source (boiler). Its weight must also be taken into account. The floor, ceiling or wall (if suspended) must withstand its load, including water. Usable hot water tanks are intended for heating domestic hot water. They are a great alternative to enamel tanks. They are designed to store water for the needs of users of flats, single and multi-family houses, as well as in other places where low-temperature heating boilers are used. Domestic hot water tanks play an important role in heating systems. Thanks to them, we can enjoy constant access to hot water in buildings. The advantages of utility hot water tanks is, above all, the high comfort of using hot water.





# TANKS

## FOR THE PHARMAUCETICAL INDUSTRY



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We make stainless steel tanks dedicated to the pharmaceutical industry, including: polished mobile tanks and mixers, as well as tanks for storing biopharmaceutical liquids. The offered products meet the highest quality standards. We also carry out individual orders from the chemical and pharmaceutical industry.





# VIBRATING SIEVES



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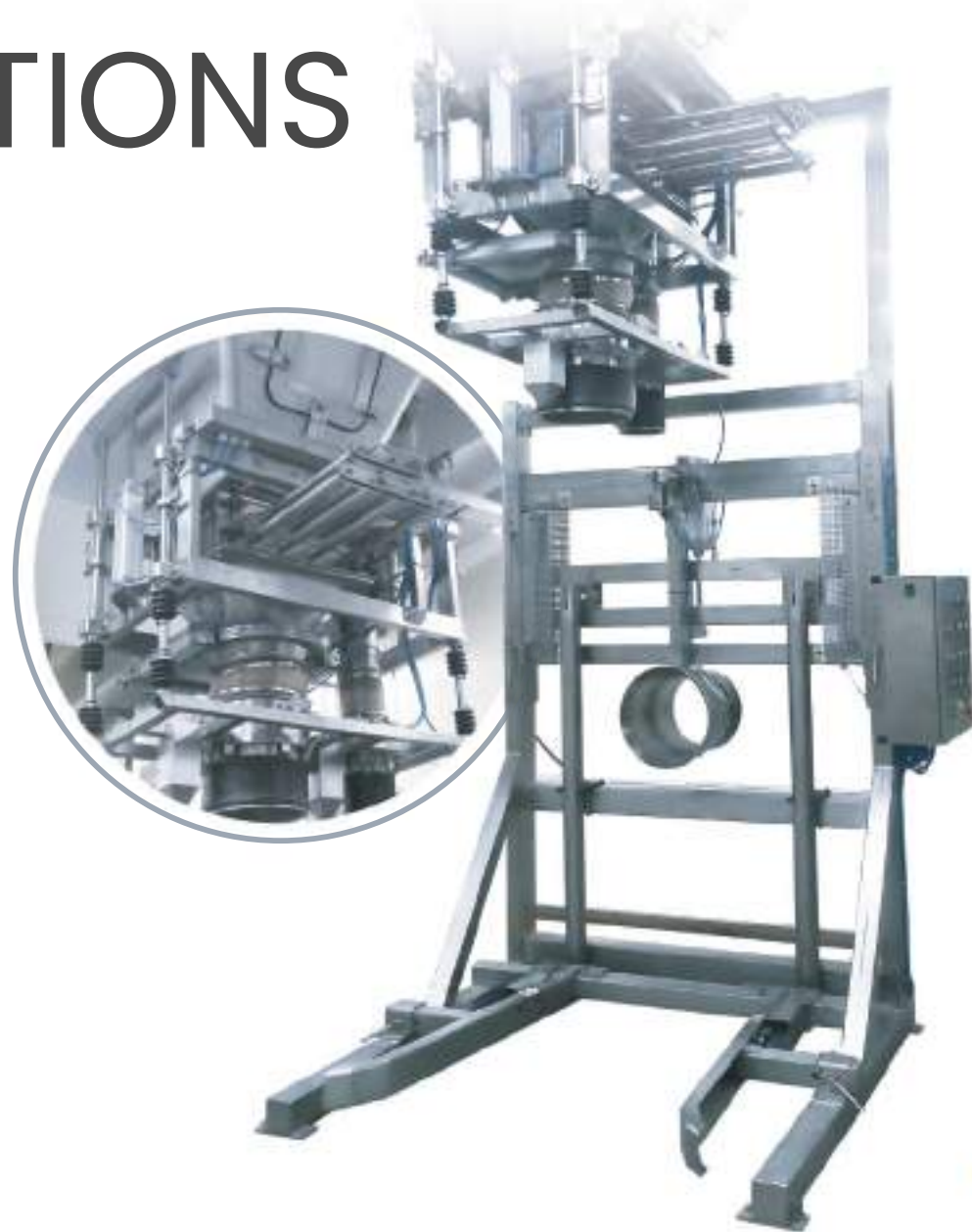
**Vibrating sieves** are high-performance sieves for sorting and classifying solids and powders. The device consists of a base to which several steel springs are attached. The main part of the device – the so-called vibrating bowl – is mounted on the springs. One vibration motor is screwed to the underside of the canopy. At the top of the vibrating bowl, a sieve with a special extension is mounted.

Depending on the processed product, different sieves are used, and the device itself can be equipped with several sieve bases. Most often they are braided (woven) sieves. Sieves are divided into single-deck and multi-deck. They are available in an open or closed version. Thanks to the use of appropriate drives, they achieve high efficiency with relatively small dimensions.

The product with dimensions below the size of the sieve falls down and is directed to a special discharge. What is left on the sieve is discharged through the side cut-out in the extension. The main purpose of the device is to sift products. Most often, the device is used to process products in a loose form (flour, spices, herbs). First of all, they are intended for processing and ensuring high-quality raw materials or the final product in loose or liquid form. They are successfully used e.g. in the chemical, food and mining industries. The main advantages of vibrating sieves are compact construction, easy replacement of screen decks, the ability to filter liquid materials and easy maintenance.



# BIG-BAG STATIONS



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**BIG-BAG stations** are systems for filling and unloading tanks for bulk materials / bags filled with various raw materials. They are made of ordinary steel or stainless steel. With the supplied solutions, bags with many raw materials such as flour, breadcrumbs, baking additives and others can be unloaded. The surface treatment of steel stations is powder coated or hot dip galvanized. The BIG-BAG unloading station is placed on a steel structure, which is equipped with wheels or skids. Thanks to them, the station can be moved to any place for loading. The construction has a mounting bracket and a plate gate valve with an electric drive. Both elements enable accurate filling of the bag. In addition, the weighing platform and control cabinet stop filling when the BIG-BAG reaches the desired weight.

For emptying the BIG-BAG station, bags with a straight and conical bottom, with a drain valve and others can be used. BIG-BAG unloading stations can use open top or hopper bags. A part of the BIG-BAG unloading station is a hanging traverse for bags that can be hung on a forklift or hoist.

BIG-BAG stations are an ideal solution for packing dry, crushed or powdered granules into bags. They allow filling and weighing operations to be fully integrated into the plant's production line. They facilitate the storage and transport of various loose materials. The station eliminates the scattering of raw materials around the bags, thanks to which the need for cleaning disappears. Using the charging station therefore increases the comfort of work.









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