



HERMIS

EQUIPMENT
FOR BEVERAGES INDUSTRY



HERMIS

Since 1991 a production plant, “HERMIS” has been involved in manufacturing of technological equipment for food industry. Our customers are breweries, distilleries, wineries, companies involved in juices and beverages production and dairies.

During long years of successful performance, the plant has gained much experience in the area of manufacture and modernization of technological equipment. Nowadays, equipment manufactured by our plant is in accordance with all qualitative requirements applicable in the European Union.

Our main products are:

flowing pasteurizer for beer, juice, kvass and milk;

capacitive equipment made of stainless steel AISI 304; AISI 316L for processing of liquid food items;

automatic stations CIP for washing and disinfection of technological equipment;

tunnel pasteurizers, heaters and coolers;

bottle and box conveyors.

At present, while expanding its activity and working in cooperation with leading Italian manufacturers, the plant is involved in production and delivery of complex PET, glass bottle, tin and KEG filling lines.

Lines mentioned include:

1. Blowing automatic machines for different types of PET bottles.
2. Filling monoblocks and triblocks for different types of alcoholic drinks and beverages.
3. Labeling machine for paper, polypropylene and self-adhesive labels.
4. Packing machines for packing of bottles and cans.
5. Depalletizers for empty packages and package palletizers.
6. Washing and KEG filling machines.

Equipment manufactured by our plant is successfully operating at lots of production facilities in Russia, CIS countries and the European Union.

Long-term experience, employees' high qualification, reliable relations established with our partners, knowledge gained in the area of special problem solving create possibilities for fruitful and mutually favorable cooperation for all the persons interested in purchase of high-quality equipment.



Lots of drinks manufacturers day by day are winning more confidence based on excellent operating of equipment delivered by us. Customers of JSC “HERMIS” are provided with support and high-quality maintenance services to be rendered within minimal terms.

- JSC “HERMIS” can also provide the following additional services:
- Filling lines’ components delivery according to customer’s requirements
- Installation and startup operations
- Warranty and service maintenance
- Engineering
- Equipment revamping
- Consultations on issues connected to drinks production
- High-quality training of staff





Flowing pasteurizer “H&G”, manufactured by JSC “HERMIS”.
Standard production capacity range from 2 000 up to 30 000 l/h

Pasteurizer “H&G” has been especially designed for non-stop thermal processing of juices, beer, kvass, wine and other drinks.

Pasteurizer “H&G” is ensuring the most effective and careful thermal processing of any type of drinks.

After having received input data from temperature sensors, debetometer and conduct meter, processor SIEMENS S7 shall manage electro pneumatic steam delivery valve, coolant and product feeding and shall maintain constant temperature of pasteurization and the product output temperature.

Controlling devices, including valves, conduct meters, debetometers and others are manufactured by “**Burkert**”, “**Samson**” Germany.

Heat exchangers are manufactured by “**Schmidt**”, “**Gea**” Germany and “**Alfa Laval**” Sweden.



**Tunnel pasteurizers made of stainless steel
“TP-H&H”, manufacturer JSC “HERMIS”.**

Standard production capacity range from 2 000 up to 40 000 bottles/h.

The whole process of pasteurization is fully automat zed, temperature regimes are maintained automatically. The pasteurizer has an alarm system; also there are all protections means to switch the pasteurizer off in case of breakdown, emergency situation, etc.

Pasteurizers are equipped with:

- gear reducers “Motovario” or “Chiaravalli” Italy;
- pumps “Pedrollo”, “Saer” Italy;
- steam valves “Burkert”, “Samson” Germany;
- electrical control system “Lenze”, “Moeller” Germany;
- the system of automatic control over the process of pasteurization “Lumel”, “Siemens”, “Burkert” Germany.

Tunnel pasteurization ensures the drinks’ stability without changing the taste of product under pasteurization. Pasteurizers may be produced for glass bottles and tins. Pasteurizers may be produced taking into consideration the Customer’s production area.





JSC “HERMIS” manufactures and provides all components for capacitive equipment made of stainless steel AISI 304; AISI 316L for processing of liquid food products:

-Equipment for production of beer designated for: brewing rooms, fermentation and yeast units, for storage of beer, etc.

- Equipment for production of alcoholic beverages: tanks for product storage, tanks for fermentation, meters, mixers, alembics, colures, sand filters, coal pillars and other capacitive equipment, operating under pressure and without it.

- Milk processing equipment designated for: milk storage, milk cooling, yoghurt and curd production, milk transportation (milk tankers) on any type of vehicle frame, etc.

- Non-standard items made of stainless steel: water coolers, containers, carriages, shelves, etc.

The plant uses state-of-the art and high efficient technologies related to stainless steel processing. They use computer controlled machines for microprocessor-based welding, plasma and laser-beam cutting, equipment for pressing, chopping, bending. Special equipment for welding, rolling, bottom polishing, cooling jackets and other elements of containers.

Capacitive equipment is fully equipped with mixers, hatches, liquid-level meters, washing systems, manometers, thermometers, vents, washing heads, protection and vacuum valves, stop valves, pumps and other component parts – according to customer’s needs.





Automatic station CIP is designated for in-place sanitation and washing of pasteurizers' heat exchangers and pipes, filling blocks and buffer vessels. CIP station provides highly efficient washing of equipment and pipelines to guarantee a required level of microbiological purity.

- CIP station of basic configuration consists of:
- 3 tanks for storage of alkali, acid and water;
- set of fittings and pipelines;
- CIP pump;
- dosers;
- plate-type heat exchanger;
- control cabinet.

Storage vessels are vertical, operating pressure is atmospheric, material – stainless steel.

- CIP station is equipped with:
- the measuring and controlling device unit;
- display and signaling equipment;
- automatic valves unit with air system module;
- solutions' pump circulation at required speed and pressure.

All components of CIP stations are made in Germany. Manufacturers of components are: "Burkerts", "Siemens", "Moeller", "Schmidt" and others.



Automatic blowing machines are designated for PET vessels production (volume from 0,25 up to 10 litres).

Machine consists of perform feeder, heating system, pick-and-place device, transfer of preforms and power unit. Production capacity from 1000 up to 28 000 bottles/hour.

Machines have an electronically control panel with controller and pneumatic equipment manufactured by leading European manufacturers.

Also, we are involved in serial production of blowing machines for PET bottles production, production capacity from 350 up to 900 bottles per hour. These machines can be considered as reliable and easy- to- operate equipment.



Triblocks and monoblocks

Production capacity from 500 up to 28 000 bottles/hour.

Equipment is designated for rinsing of bottles, bottling of beer, vodka, wine, mineral water, juices of different concentration and capping by crew, Aluminum, plastic caps and corking (natural corks and crown caps) and capping by “Guala” caps.

Monoblocks (manufactured by different producers) after capital repairs.

Production capacity from 500 up to 28 000 bottles per hour.

Accessories are made upon customer’s bottle shape, capping equipment is in accordance with cap types.

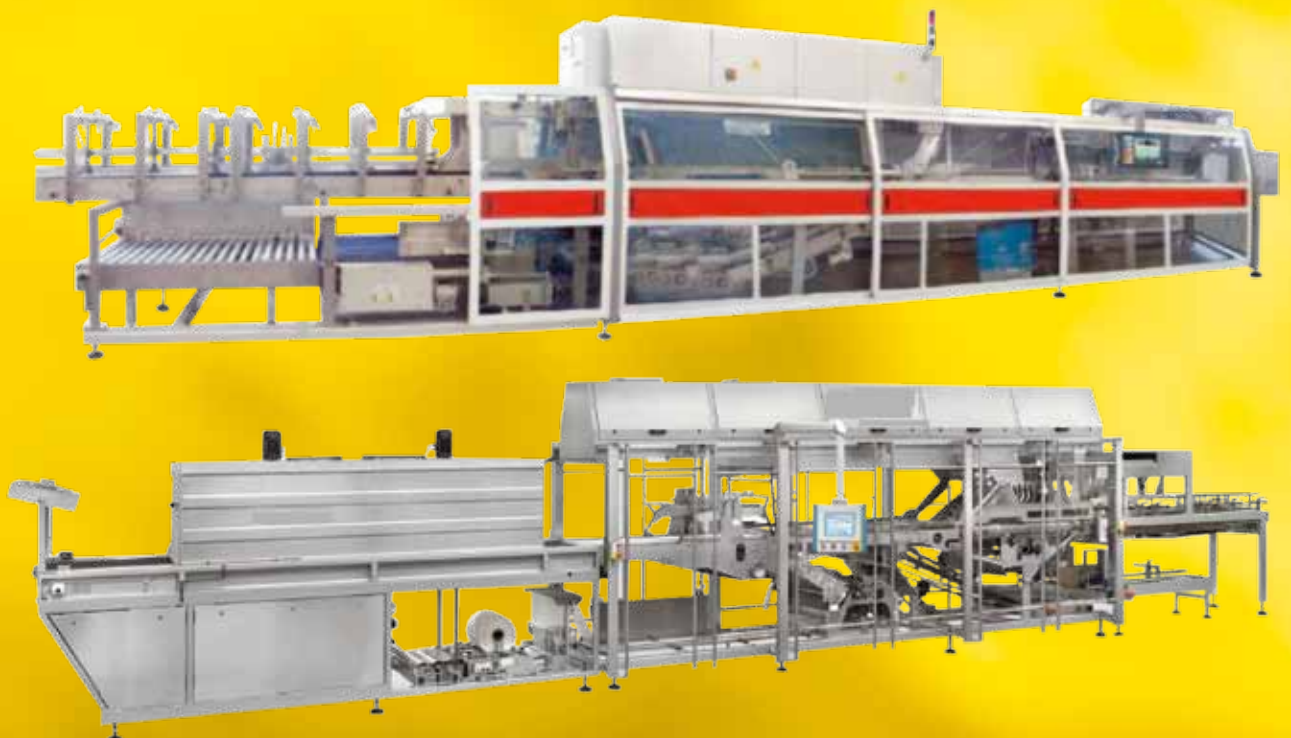
Rotary and linear labelers for glass and PET bottles. Production capacity from 2 000 up to 28 000 bottles/hour.

Possibility to use paper and polypropylene as well as self-adhesive paper labels. The machines have labeling stations for self-adhesive excise labels.

Labelers “KRONES” after capital repairs for glass and PET bottles. Production capacity from 2 000 up to 28 000 bottles/hour. Devices for three, four and five labels and for polypropylene, self-adhesive labels and tin-foil.



Packing automatic machines. Production capacity from 300 up to 2 500 packages/hour. It is designated for packing of cans, glass and PET bottles into shrink film with card packs or without them. The possibility to use film with pattern. Machines also pack glass bottles into carton boxes. Configuration 2x3, 3x3, 3x4 and 4x5.





Air and chain conveyors with variable drives are being made at our plant from Italian components, Swedish stainless steel, variable drives “Motovario”.



Mixer saturator is designated for production of sweet carbonated drinks and carbonated mineral water. The machine consists of high-precision equipment and is operating in automatic regime for easy mixing and carbonization. This machine may be used for carbonization only.

The set includes:

- deaeration module with vacuum unit
- carbonization installation
- dosing and water and syrup mixing device



Delivery of filling lines

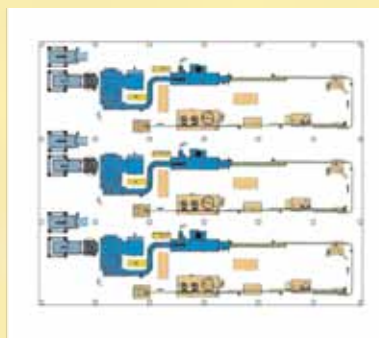
At present, JSC "HERMIS" manufactures and delivers about 70 kinds of equipment for blowing and filling lines. For purpose of meeting requirements of small and large manufactures, operating in different areas of drinks production, our company is involved in delivery of lines with the range of production capacity from 500 up to 60 000 bottles per hour. Equipment manufactured by our company can be easily integrated into existing operating line. These lines are designated for filling of single-use and multiple-use bottles, PET bottles, tins and KEG barrels.

Engineering

Lines are being designed as integral unit made from single machines, transportation lines, the control system and energy distribution. Lines are being designed based on experience gained by our engineers as well as in accordance with Customer's requirements. During engineering development, also an alternative solution is being elaborated, and the opportunities provided by computer techniques are widely used as well.

The control and management system

The line management system can be connected to the Customer's information system and information on operating can be passed between separate machines or to computer of the main workshop to reflect all the information about technological process, including printing of information required.





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