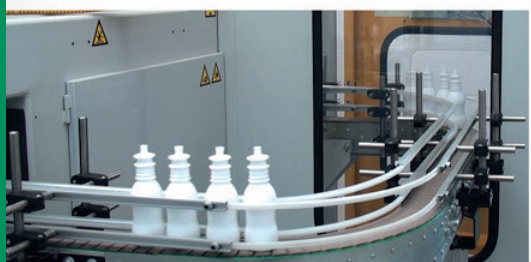
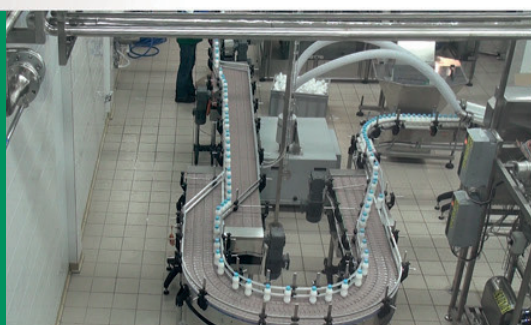




Pepsi Co installed a complete line of INDEX-6 equipment

A new INDEX-6 complex line for filling bottles with AGUSHA children's natural fruit yoghurt has been installed and started working in the Ukrainian Wimm-Bil-Dan plant, part of the Pepsi Group.



The milk-based drinks contain fresh milk and fruit components and are primarily to be used by children. Therefore there are high demands on the hygiene of the products throughout the whole production cycle. The 200ml HDPE bottle, which is used, has proven its functionality and practicality over the years.

The line consists of several major groups of machines which provide a fully closed production cycle:

- **Production of bottles** - a fully automated system of bunkers for storing the HDPE granules, its drying off to the necessary level of moisture, automatic dosing of the base material, and automatic dosing and adding of colour. The RTD RS 25 blast machine is a two-nest matrix machine, providing 6000 bottles per hour, which, for greater hygiene, are designed to be produced and stored with a neck, closed with a dome. After blowing, the bottles are automatically submitted into a silo with a capacity of 120000 bottles, and are held for final crystallization of the material before they are passed to the filling unit. From the silo, by means of an automatic discharging device and a loading elevator, the bottles are sent to the RC 9 unscrambler for turning the neck up; a vacuum conveyor belt passes them to the RS 70 neck trimmer, which cuts the dome off the bottle neck. At the end of this stage we have a normal-sized bottle with a three-turn threaded neck. From there it goes down a controlled-clean conveyor belt and is fed directly to the tri-bloc for filling. Keeping the bottle completely closed almost until the filling stage is the starting condition for high hygiene-sensitive filling of children's drinks, which have rigorous requirements in this regard.

- **The AssetClean™ filling tri-bloc is a weight filling system represented by the ULTRA CLEAN IND-Dose 49RRWTC model, equipped with IND-PPS (Purity Protection System)**, consisting of: an automatic CIP - IND-CIP3; a hygienic station for SIP; IND-HFAS - a system for generating sterile air and feeding it by overpressure to the clean chamber of the tri-bloc with intensive volume exchange IND-OZ 4 LV device for obtaining active ozonated water to sterilize bottles and caps; a system of nozzles and rotary cleaning heads for interior and exterior cleaning, as well as specially designed highly-inclined surfaces and a drainage system with self-priming pump and ventilation for sending the sterilizing and washing solutions back and for quick drying of the machine after washing.

The Block is composed of three modules - IND-Wash 55 for bottle sterilization; IND-Dose 49 - for weight dosing and filling without contact between the filling valve and the neck; IND-Close 22 RC - for closing with caps supplied by the IND-Way 79 - a for linear orientation of caps, their treatment with ozonated water exposure UVC rays and the subsequent feeding to the capper. The closing module has a 'Pick and Place' unit and closing heads with hysteresis control of the closing torque. The weight module for dosing and filling has precise weight sensors, which, together with the patented IND-filling valve, ensure highly precise fast filling - the accuracy of the specified weight for filling bottles is within 0.5g.

- After sterilization, the bottles are filled and closed under **ULTRA CLEAN** environment, then they pass through IND-Test 65 - the built-in tester in the tri-bloc, to have their weight checked, as well as to be checked for the presence of a cap, then - through IND-Trans 72 - the buffer conveyor and the IND-Blow 81 dryer they enter the sleeve-labelling machine IND-Lab 38 for labelling. This machine consists of two main modules - for cutting, perforating and positioning of the label on the bottle, and a second module - a steam tunnel for the sleeve label to be accurately shrunk according to the shape of the bottle. For consumer safety, the sleeve label is located on the cap as well for easier manipulation and has a perforated top, which, when torn, allows free access to unscrew the cap.

- The line ends with IND-Pack 29 P - a group packing shrink wrapper - the bottles are packed into groups of 6 and wrapped with thermo-shrinkable foil. The machine is equipped with a module for inserting flat cardboard pads at the bottom of the packs, so there is a choice in shaping the final product package according to the marketing decision.

All the machinery, building this complex line, meet the highest requirements for reliability, uncompromised purity, have the necessary certificates and are of low energy consumption. The efficiency of their work is monitored and managed by the IND-Central 150 centralized management system.

The confidence of **INDEX-6** in offering highly suitable equipment for products used for feeding young children is due to over 22 years of experience, 12 of them using **ULTRA CLEAN** machines and production lines. We made this conscious choice to demonstrate our responsible attitude to people and the environment, and now our machines pack thousands of different products every day in different parts of the world. Our individual approach to the nature of our products is our reason for constructing such accurate filling systems, which can keep the product pure and stable right up to its final packaging.