

70-year experience

in customer-driven innovations

TREPKO delivers full packaging lines with different types of unit packaging and a great variety of end-of-line solutions with technical support included. Among our latest releases are an integrated system for product mixing and filling and a double indexing feature in rotary machines and further development of aseptic machines.



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For more than 70 years TREPKO has had a very special approach in implementation packaging innovations for our customers'. Common for our activity is that it is driven from the needs of the consumer and in a process of mutual understanding and communication. The result can be a new product, new packaging or a new process.

TREPKO's activity concentrates on two innovation types: process innovation and product innovation, which are closely connected, meaning that our



Dry Filler

process innovations lead to product innovations. Very often, new market possibilities has been multiplied thanks to an investment in TREPKO equipment – flexibility.

Recently, a number of interesting new solutions that illustrate TREPKO's innovation policy have been introduced.

A new system for mixed product filling

Thanks to a new dosing system, rapid flavours change is made possible. Small machines in respect of a footprint dimension is prepared for fast short batches, which give possibility to prepared for huge variety of flavours with minimum of product, water and media losses.

Smart product delivery installation is based on two dosing systems, one for white mass and the other for e.g. different flavours of fruit with separated CIP system. While one of the piston pumps is designed for volumetric dosing of fruit, the second one is designed for white mass and mixture dosing. The measured flavour is injected into the pipe coming from the main hopper. White mass and fruit is delivered through the

mixer by the main dosing system into containers. A dynamic mixer mixing two components together. The speed of the dynamic mixer is adjustable from the HMI touch-screen panel, by this design a perfect mixing result is guaranteed.

The dynamic mixer and the fruit pump is integrated in the filling machine and those are both CIP-cleanable.

The dosing volume of the flavour is automatically adjusted from HMI touch-screen, and it is also integrated with white-mass doser. These settings are a part of each recipe.

For flavour change the automatic CIP manifold and the main dosing pump is activated, thereby is it possible to flush the dynamic mixer and the dosing cylinders, at the same time keeping the white mass in the main hopper. It is optimising a water and CIP agents consumption. Additionally there is a huge reduction of fruit and white mass waste, with a guaranteed reduction of the changeover time.

Double-indexing rotary and in-line machines

Another perfect example of customer-driven innovation is represented by a number of delivered filling machines with a double-indexing feature. Thanks to this feature different product + packaging combinations are being filled at the same time. Such solutions are based on a modern driving technology, reliable mechanical design of the dosing system as well as perfect control solutions.

Using two different packaging types on the same machine, and at the same time, does not limit other machine functions, such as additional dry fillers. These types of machines are very popular both in the rotary and in-line versions.

Ultra-Clean and Aseptic solutions

The consumer requirements of the product safety keep growing, and a failure to meet them can be very expensive for a dairy producer. TREPKO is ready to share this responsibility and therefore pays special attention in furthering improvement of the hygienic features of the filling machines. Both rotary and in-line machines are delivered today in the Ultra-Clean standard with packaging sterilisation. At the same time, TREPKO's dedicated team can offer in-line aseptic machines with a proven sterilisation efficiency, which has been certified by an independent laboratory with the killing rate level of log 5,9.



Double Index Rotary Filler

TREPKO's premises

These are very few examples of the TREPKO's innovation potential. During the past years TREPKO has grown not only in numbers, but – first of all – in capabilities. Today we are ready to deliver full packaging lines, including both different types of unit packaging

and a great variety of end-of-line solutions. All of this is available from the TREPKO's own premises with technical support included. Thanks to these possibilities TREPKO is prepared not only to deliver packaging machines, but assist in implementation of the boldest customer-driven innovations. ■