



New CPP option for Netstal PET-LINE: Reliable preform production in harsh industrial environments

CONTROLLED PRODUCTION SHUTDOWN DURING A POWER OUTAGE

CPP stands for 'Controlled Production shutdown during a Power outage'. In the case of momentary power failures, the system will provide enough power to continue operation of the current cycle. If the outage lasts somewhat longer, then sufficient power is provided to reliably and controllably shut down the cycle. Preforms are fully injected and demolded, meaning short shots do not arise. Meterage for the next shot is stopped and the entire system is controllably brought to a halt. As soon as the power returns, production can be simply started up again. CPP is now available as a sales option for all new Netstal PET-LINE systems.

RELIABLE BRIDGING OF BRIEF POWER FAILURES AND FLUCTUATIONS

With the CPP option, the system is simply more robust because the machine continues to operate and doesn't shut down during brief power fluctuations in the grid lasting milliseconds. Contrastingly, without the CPP option the current cycle would be abruptly and uncontrollably interrupted in the case of a power failure. In all probability, production could then not be restarted immediately because of the potential presence of short shots in individual or all the mold cavities. The time consuming removal of these short shots involves laborious manual work. Consequently the system comes to Reliable production within harsh industrial environments.



Fig. 1: The CPP OPTION is now available for all new Netstal PET-LINE systems. an unscheduled standstill. On top of this, molds could also potentially

be inadvertently damaged during the cleaning up process. CPP reliably removes this risk. The availability of the system is significantly increased, meaning that investment in this option is recouped after only a few power outages. In harsh industrial environments the new CPP solution reliably ensures maximum productivity and minimum unit costs.

www.netstal.com

GDXL will be showcasing its highly precise mold products for PET beverage packaging

High quality blow mold, preform mold, closure mold, retrofit part products and engineering services are available. GDXL fabricates blow molds which are applicable to a series of renowned brands of onestep and two-step blowing machines. Beverage application including water, CSD, hot filled and aseptic bottles are available. GDXL can also supply blow molds for food, edible oil, cosmetic containers, etc. PET preform injection molds are available from 32 cavities to 144 cavities, with various neck finishes including 1810,

1881, 30/25, 29/25 and 38mm, etc. The molds can be applied to a series of renowned brands of injection machines. Hot runners for preform injection and closure injection are also available. Apart from mold products, GDXL also supplies retrofit parts for bottle and preform production system for various objectives, including conversion among different neck finishes, retrofit of HR blowing system for normal temperature filling and hot filling production lines, modification of blow mold structure to realize universality among different



brands of blowing system, blow mold modification to optimize bottle shape and performance, and preform mold modification to optimize preform, etc.

www.gdxi.com



RETAL offers packaging solutions

RETAL is a fast-growing manufacturer of high quality packaging solutions, including preforms, closures, bottles, containers and films. With over 20 years of experience in the packaging industry, RETAL supplies some of the world's leading food and beverage brands and is active in over 60 countries across Europe, Asia, North America and Africa.

With a unique combination of resources and experience RETAL provides its customers complete solutions from concept and design development to commercial launch. RETAL offers design intelligence, project evaluation and cost analysis, and fast prototyping and measurement capabilities.

Using advanced technologies, including ISBM, RETAL provides complete value-added packaging solutions for various segments such as juices, nectars, baby food, dairy products, beer, low-alcohol and alcoholic beverages up to 40% abv, edible oils, sauces, household products and cosmetics.

With an extensive product portfolio including more than 800 designs of monolayer and barrier PET preforms, plastic closures, containers and neck finishes, including several types of plastic films (PET, PET/PE, BOPET and PE) for the food and non-food sectors. RETAL also manufactures preforms for large PET containers with volumes of 10-35 liters. Light weight and economical, PET-Keg is convenient for bottling and transporting beer, wine, cider, sweet carbonated drinks and low-alcohol cocktails.

RETAL works closely with its customers and other partners on a full range of projects, from product idea generation to turn-key solutions. Projects can be implemented at RETAL plants as well as at customer facilities.

www.etalgroup.com

Moretto USA is presenting MOISTURE METER MANAGER

Since 1980, Moretto researches, develops and manufactures intelligent and energy efficient systems that enable process optimization in plastics processing plants, in particular in injection molding of PET preforms.

Moretto USA is presenting MOISTURE METER MANAGER, the revolution in drying of PET resin. Moisture Meter Manager closes the loop of perfect drying by realizing the top performer EUREKA PLUS drying system for PET.

MOISTURE METER MANAGER answers to PET preforms current market needs: high quality standards, striving for guaranteeing the best results in terms of structural and aesthetical properties of the blown container, together with the maximum energy efficiency through the consistent and certified material moisture and the adaptive management of the dryer depending on the real needs of every single material batch.

Moisture Meter Manager, together with Eureka Project, realizes EUREKA PLUS the only drying system in the market, suitable to guarantee record-breaking performance in terms of quality of the process and energy efficiency.

Developed over a 15-year period of studies and testing, Eureka Plus is composed by the combination of four Moretto's patented technologies: the "X MAX modular dryer, for tailoring the investment on customer needs and an easy extension over the time, the OTX hopper, the sophisticated thermal exchanger which specific geometry allows a perfect drying treatment and reduces residence time, FLOWMATIK that automatically manages the process airflow and temperature according to the real needs of the material with no risk of any stress due to over temperature and MOISTURE METER MANAGER that closes the loop of Moretto's drying system integrating the dryer into an auto-adaptive system as provided by the smart factory 4.0 project.

Moretto's customers using Eureka Plus systems are benefiting up to 56% lower energy consumption than conventional drying systems.

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