

Uniloy

Uniloy – The Dairy Packaging Innovator Continues

Uniloy originated the lightweight, handled, plastic milk jug in 1963, and its reciprocating blow molding machine has since become the “industry standard” with more than 3,800 systems in use worldwide. But we’re not simply resting on our heritage – Uniloy is meeting global consumer and dairy producers requirements for three layer (3L) high-density polyethylene (HDPE) milk bottles by introducing the first reciprocating blow molding machine capable of producing three-layer extended-shelf-life (ESL) bottles. It surpasses alternative technologies typically used for this type of high-volume production – such as wheel and shuttle machines – with 10-20% higher output in a smaller footprint, with 10-25% less energy use. The result? Greater production efficiency with better manufacturing optimization.

The first Uniloy UMR2000-3L machine system built is a twelve-head configuration that can produce and trim 5,400 one liter non-handled bottles per hour. These bottles weigh 30 grams each, with a 43mm neck. A foil seal and screw cap will complete the package to permit shipping and storage under refrigerated or non-refrigerated conditions.

Uniloy has also developed new neck-to-neck blow molding technology targeted for single serve HDPE containers which essentially gives you double the production output. This technology can be utilized with or without clean blow and/or three layer capability. The neck-to-neck technology produces two containers in one mold per molding cycle.

A wide range of available configurations allows Uniloy Milacron to configure a machine system to desired



production volumes and container specifications. The machine line will be available in the same range of container and neck sizes as Uniloy’s single layer reciprocating machines. It can be ordered as part of Uniloy’s turnkey program that covers everything from extrusion tooling, blow molds, trim tooling, trimmers, conveyors, leak detectors, along with machine installation and start-up. Uniloy also provides turnkey services, which include plant layouts, conveying equipment, resin handling, fillers, scrap handling and cappers.

Uniloy Milacron is the largest supplier of blow molding machines in North America with an extensive parts and service network. In addition, the company provides a full range of turnkey system services, including container design, mold development and manufacturing, prototyping and pre-production runs, and system commissioning. The company has facilities in Italy, Germany, Czech Republic, United Kingdom, Mexico and China, in addition to the U.S.



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