Stolle Introduces New Die Necker

June 15, 2018 – Stolle Machinery is pleased to introduce a new Die Necker to their growing line of can production equipment. Premiered at the Cannex 2018 tradeshow in Guangzhou, China in May, the new Necker is the final piece of process equipment that completes Stolle’s line of the value-added machines in a 2-piece beverage can line. These machines now include the cupping system, bodymakers, coolant filtration system, can washer, can dryer, basecoater, decorator, pin oven, inside spray machines, internal bake oven, embosser or profiler, and Necker.

According to Stolle Chief Technology Officer Ian Scholey, “We are excited to introduce a Necker to round-out our equipment offerings for 2-piece beverage canmakers. Our new die Necker design has some distinct advantages over existing machines in terms of flexibility and can size changeover ability. Also, canmakers will benefit from being able to obtain all their major machines from the same supplier with single-source responsibility for spare parts and field service.”

The new Stolle Die Necker is a modular machine that is built with the number of modules required to meet each customer’s production needs. In addition to performing the required number of steps of necking to achieve the required end diameter, the machine can be equipped with modules to perform other finishing operations such as flanging, bottom reforming and light testing. In addition, the Stolle Necker can be equipped with vision inspection cameras to perform interior and exterior inspection of every can if desired.

Cans enter the machine through a starwheel input module that has an integral waxer, and it can also be equipped with a camera to inspect the cans before necking. Each necking process module includes a 20-pocket transfer wheel that gently moves the cans into a 12-pocket process
turret wheel. Cam-driven pushers move the cans into the tooling to form one step of the necking process. This process is repeated in separate modules to perform the number of steps to achieve the required neck profile and diameter.

The Stolle Die Necker incorporates quick-change can height and diameter features which are a major advantage for canmakers who run different can sizes. In addition, all process modules are equipped with specially-designed quick-change tooling which reduce downtime for routine machine maintenance. The machine also features full mechanical and process monitoring sensors for integration into a plant-wide control and reporting system.

The new Stolle Die Necker showing the infeed module and 3 process modules