

Servo Cup Feed and Can Unloader

for Stolle Standun Bodymakers

Stolle Standun Bodymaker

Technical Update 1209-2



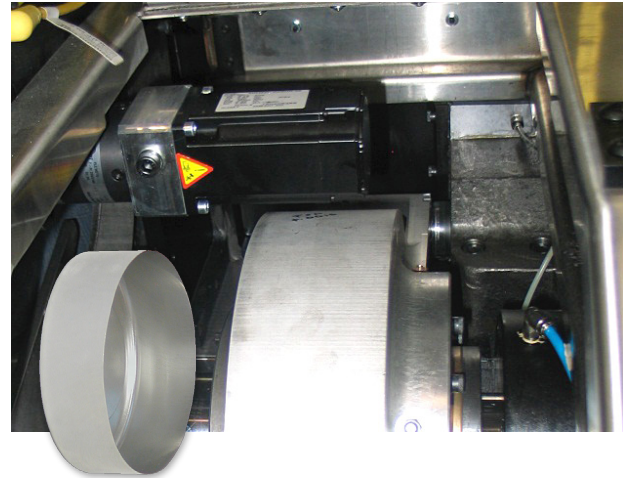
After extensive design work and field testing, Stolle now offers a servo drive cup feed and can unloader for Standun Bodymakers. These direct-drive servo motor systems greatly simplify the cup feed and can unloader systems by eliminating the mechanical components that previously linked them to the main bodymaker drive system.

The direct-drive servo cup feed has a servo motor/gearbox combination that is directly coupled to the cup feed cam. This design eliminates backlash issues associated with the current chain-driven design. The servo cup feed provides positive cup feed and improved tracking that ensures proper cup placement, which virtually eliminates cup misfeeds and improves feeding of out-of-round cups. The can unloader servo motor is mounted on the back side of the conveyor guard. This motor/gearbox drives the takeaway chain sprocket on top of the conveyor assembly.

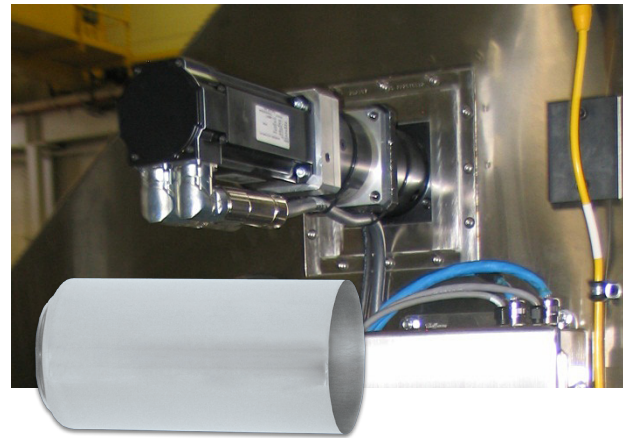
When installed together with an upgrade to an electrical air strip timing module, these two new servo systems eliminate all of the mechanical components on the PTO shaft. This greatly reduces machine maintenance requirements, and simplifies the guarding on the operator side of the machine.

The Standun servo drive cup feed and can unloader are capable of production speeds of 400 CPM or higher, depending on the can diameter. Set up and timing adjustments for both systems are easily accomplished through the bodymaker control system. The heavy duty brushless DC servo motors were specially developed with assistance from Stolle to provide longer life in the harsh environment of a bodymaker. Both servo motors are timed directly to the bodymaker crankshaft through a resolver or encoder. The electrical components are all off-the-shelf and are controlled through the PLC instead of the current "black box" technology.

The new servo drive cup feed and can unloader can be installed as a retrofit on a Standun B6 or B7 Bodymaker, and are available as an option on new machines.



Servo Cup Feed motor/gearbox (above) and Servo Can Unloader motor/gearbox (below) installed on a Standun Bodymaker.



For more information about the Servo Cup Feed and Can Unloader for Standun B6 and B7 Bodymakers, please contact Mark Santos at Stolle Centennial at 303-708-5173 or mark.santos@stollemachinery.com.



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