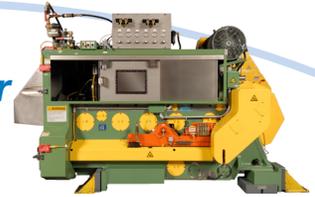


Servo Cup Feed and Can Unloader

for the Stolle Ragsdale Bodymaker

Stolle Ragsdale Bodymaker

Technical Update 1108-1



Stolle has developed a major technological improvement for Ragsdale Bodymakers - a servo drive cup feed and can unloader. These direct-drive servo motor systems greatly simplify the cup feed and can unloader systems by eliminating the many mechanical components that previously linked them to the main bodymaker drive system.

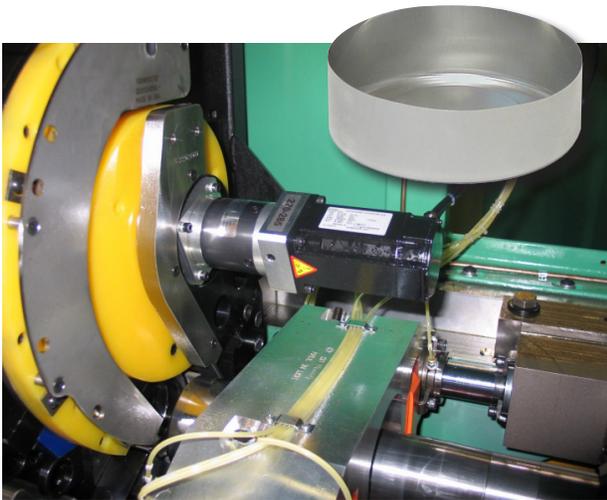
The servo cup feed has a servo motor/gearbox combination that is directly coupled to the cup feed cam. This eliminates the issues associated with the previous drive belt alignment and tensioning process, as well as the overload clutch and disc brake. The servo cup feed provides positive cup feed and 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 unloader frame. This motor eliminates the need for many mechanical components on the operator side of the machines, including sprockets, chains, a gearbox, a timing shaft, bearings, and their associated guards.

The Ragsdale servo drive cup feed and can unloader are capable of feeding cans at 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 any existing Ragsdale Bodymaker, and are available as an option on new machines.



Ragsdale servo cup feed



Ragsdale can unloader servo motor and gearbox

For more information and pricing, please contact your regional Stolle representative.



Stolle Machinery Company, LLC

6949 South Potomac Street, Centennial, CO 80112
Phone: +1 303-708-9044 Fax: +1 303-708-9045
www.stollemachinery.com

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