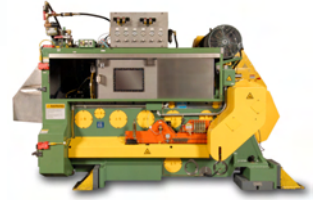




## **Servo Drive Cup Feed**

For the Stolle Ragsdale Bodymaker  
October 2007

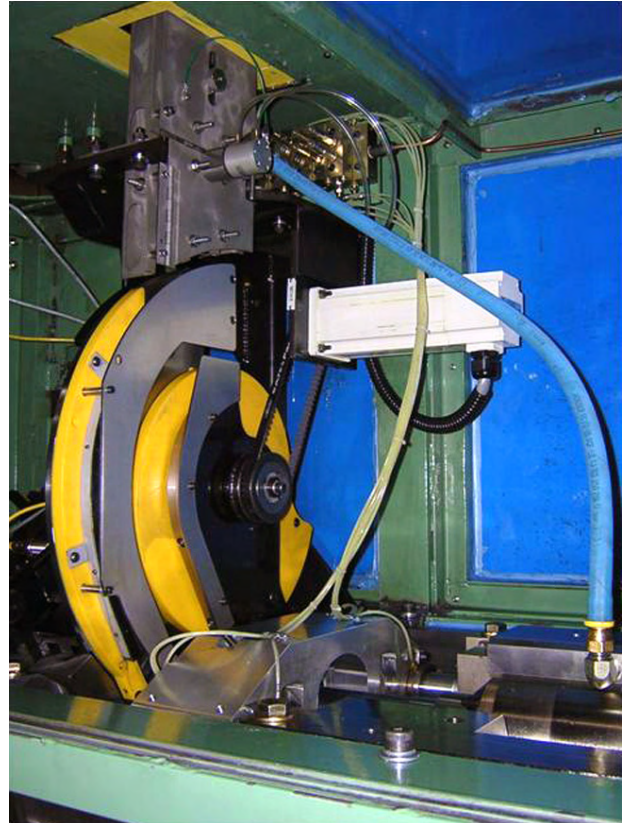


Stolle CMD has developed a servo drive positive cup feed for the Stolle Ragsdale bodymaker that offers a number of advantages over the previous cup feed mechanism. The unit is driven by an independent servo motor, which eliminates all mechanical drive shafts and gearboxes, as well as their resulting backlash in the bodymaker drive train. It provides positive cup feed that ensures proper cup placement, which virtually eliminates cup misfeeds and improves feeding of out-of-round cups.

The servo drive cup feed uses a heavy duty brushless DC servo drive motor to drive the cup feed cam. Stolle has worked with our servo motor supplier in several areas of the motor design to improve its life in this harsh environment. The main areas we addressed were different manufacturing methods and materials that keep coolant out of the motor windings to prevent motor failure. The motor drives the cup feed cam with a reliable poly-chain timing belt, and a resolver and motion controller on the feed mechanism provide positive feedback for precise timing. With a minimal number of moving parts, the servo drive cup feed requires minimal maintenance. Feed set up and timing adjustments are easily accomplished through the bodymaker control system.

The servo cup feed is capable of feeding cans at 400 CPM or higher, depending on the can diameter. As an added benefit, the unit is contained in a sound-dampening enclosure.

Please contact Stolle CMD at 303-708-9044 for pricing and lead time information on the Stolle Ragsdale servo drive cup feed.



*Stolle Ragsdale Servo Drive Cup Feed*



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