

Oldham Couplings

CAPPING AND FILLING MACHINES

PROBLEM

Cap Coder, a British manufacturer of standard and custom capping, filling, labelling and coding machines, needed precision couplings for use on its equipment. The couplings connect the drive motor to the torque capping heads on low-to-medium volume filling and capping machines utilized by beverage and pharmaceutical customers.

Positioned within the main capping torque head, the coupling is considered one of the machine's most critical components as it reliably and repeatedly transfers power, while maintaining position and controlling the applied torque to the container cap.

SOLUTION

After a review of available alternatives, Cap Coder chose to install Huco Oldham couplings on all capping head assemblies incorporated on its various machines. Oldham style couplings were selected due to their precision and reliability. Cap Coder has not had a Huco coupling failure on any of its machines that have been in service less than five years, many operating on 24/7 production schedules.

Huco is renowned for its Oldham-style line. The Oldham coupling design transmits torque through a central disc that slides over tenons on the hubs under controlled preload conditions. To meet the capping torque head requirements, Huco supplies complete 3-part Size 33 Oldham couplings comprised of two aluminum clamp-style blind hubs and an acetal disc that provides high torsional stiffness and long backlash-free life. The 1.31 in. (33.3 mm) dia. couplings feature a 79.7 in lb. (9 Nm) peak torque rating.

Reliable Huco Oldham-style couplings are manufactured using high quality materials with strict in-house testing and monitoring.



HIGHLIGHTS

- Aluminum alloy hubs with standard acetal torque discs
- Eliminates backlash and protects against shock loading
- Strict in-house testing and monitoring
- Through-bored variant available for faster disc replacement
- Available in different materials for easy configuration to meet different application performance requirements



Photos courtesy of Cap Coder

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