Cap-In-Head Capping System

Cap-In-Head provides positive control of plastic closures
Positive closure control with Cap-In-Head

The Alcoa Cap-in-Head system assures proper placement of closure on container. Caps are released into a transfer star from which they are picked up by Magna-Torq® headsets and centered directly over the container for screw capping application.

A transfer star carries closures to Magna-Torq headsets.

Cap-in-Head eliminates the critical variables so often contributing to cocked caps. Precise bottle pass through a cap release channel is no longer necessary and cap release adjustment is eliminated. There is no need for pre-spin wheels, rub rail or other pre-start devices. Minute container height variations are no longer annoyances.


- Freestanding Capping Machines
- Capper-Crowner Turrets
- Magna-Torq® Capping Headsets
- Capping Pre-Starters
- Container Control Parts
- Jetflow® Cap Feed System

Reliable Performance with Magna-Torq® Headsets

Alcoa’s reliable Magna-Torq headsets are keys to the speed and efficiency of the Cap-in-Head operation. Two permanent magnetic fields work together for consistent cap application and uniform torque.

Headsets are available with straight chucks or with gripper fingers for closures with unusual shapes or designs which will not allow top pressure. The system can accommodate a variety of closure styles and sizes up to 89 millimeters in diameter and headsets are designed for easy change-over from one container type to another.

Retrofitting Available

Cap-in-Head is ideal for high-speed application of plastic closures with high-interference tamper-evident bands. Speeds in excess of 55 containers per minute per headset are possible, depending on the application.

The system is available as an option on new Alcoa 200 series and 400 series machines and turrets. It can also be retrofitted to most Alcoa 200 series machines now in use.

Computer Engineered For Specific Applications

Every Cap-in-Head unit is computer-designed according to customer specifications for specific applications and plant environment.

Alcoa Technical Service Representatives and Engineers oversee installation and start-up and are available as service is required.