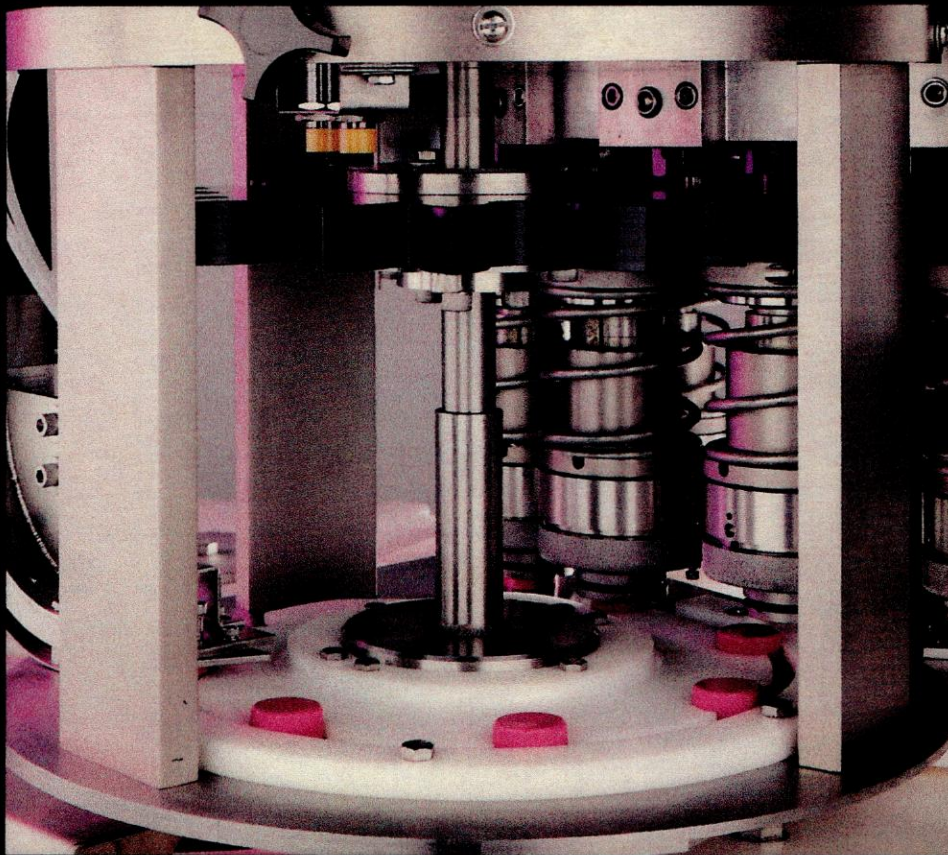


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# Cap-In-Head Capping System



Cap-In-Head  
provides positive  
control of plastic  
closures

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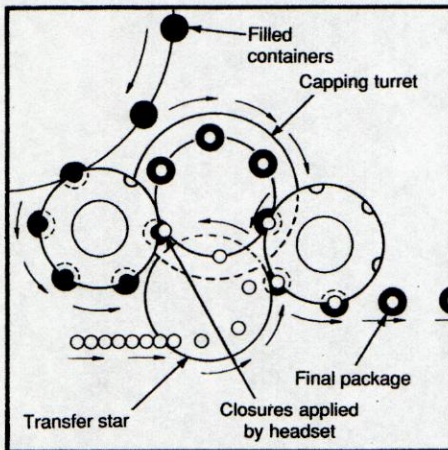
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## Positive closure control with Cap-In-Head

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.



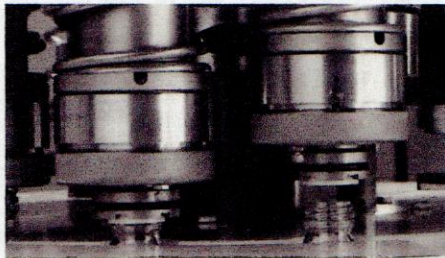
A transfer star carries closures to Magna-Torq headsets.

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.

**For more information** about the Alcoa Cap-in-Head Capping System and other closure application equipment, contact Packaging Equipment, Alcoa Closure Systems International, phone 317-983-9316.

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

**Alcoa Packaging Equipment**  
Closure Systems International  
Division of Aluminum Company of America  
P.O. Box 488  
Richmond, Indiana 47375-0488  
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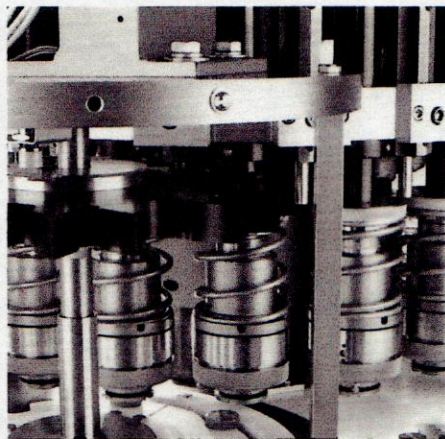
Cocked cap problems are virtually eliminated because headset centers closure directly over container for capping.

### Dependability, Simplicity, Safety

Cap-in-Head is made of wear-resistant stainless steel and plated aluminum components. It requires a minimum of maintenance because the system contains few moving parts.

The top star is mechanically driven, synchronizing the transfer star and capping turret for precise mating of closure with headset. Timing adjustment is simple.

A stop-motion feature immediately halts the capping process if no closures are present. Lexan covers allow for clear view of the operation. If the container is missing or breaks during capping a cam-activated knock-out instrument removes the closure from the chuck.



The system is mechanically driven synchronizing transfer star and turret for precise mating of closure and headset.

### 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.

