



## Bushing and Steering Linkage Insertion Cell



Completing this operation with multiple insertions at once decreased customer costs by combining three processes into one, thus reducing labor costs and multiple stations to perform the job. The lower control arm was manufactured by a major OEM who continues to do business with Aries.

Since the HyperCyl cylinder can be mounted in any position or attitude, they can be reused with many other applications without modifying the cylinder whatsoever. The long life-cycles of all HyperCyl products, 20 million, means they can serve the end customer for an exceedingly long time, virtually maintenance-free.

### Problem

- Previous design made in China created a failure of the finished part
- Quality was skeptical
- Three machines were used to press in bushings and steering linkage

### Solution

- Process called for an Aries insertion cell, custom made per client specifications, pressing 2 bushings and 1 linkage.
- Cell included safety light curtains, IntelliCell options, part present and home positioning sensors, PLC programming.
- Quality and confidence in completed part was restored thanks to HyperView Press distance/force monitoring system. Non-conforming parts were reduced dramatically.

Reducing costs and overall production time to complete a process is what Aries Engineering does best. We have on site engineers to tackle all the necessary refinements and reworking of older, less industrious designs. For more information on how Aries can help to reduce your costs, please contact [Sales@hypercyl.com](mailto:Sales@hypercyl.com)

