

For Immediate Release

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Fluid Fill Bushing Assembly Press

Marion, IN, March 17, 2006 – Computer Age Engineering, Inc. has recently developed an advanced, compact fluid fill assembly station. This station can be utilized as a stand-alone machine or incorporated into an automated cell.

The overall size of the station is 30” wide x 40” deep. The station includes two stainless steel tanks, one work tank where the inner assembly and the outer metal are pressed together, and a secondary tank that acts as a buffer and overflow tank. All components are contained within the integral base/drip pan. The fluid is continuously filtered and circulated through the two tanks. The tank fluid level is automatically maintained from the customer bulk supply. Fluid temperature is monitored and controlled.

“One key to fluid filled bushing performance is to make sure the bushing is full of fluid instead of air,” said Mike Bartrom, President of Computer Age Engineering, Inc. “We accomplish this by lowering the components through a special deaeration ring as we assemble them in the main tank.” The deaeration ring fluid is pulled from the main tank, but has a

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separate pump and filter. The press head actuator incorporates a linear position transducer and pressure transducer to monitor and verify the assembly process.

To satisfy the need of our customers for quick model changeover, all tooling is quick change. Placement of the inner assembly in relationship to the outer metal is controlled by hard stops built into the tooling.

Computer Age Engineering specializes in manufacturing equipment for the automotive sealing and vibration control markets and is ISO 9001:2000 certified. For information, call Tim Anger at 765-674-8551, email info@caeweb.com, or log on to www.rubbermachines.com.

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