



## **RED STAG ENGINEERING & AUTOMATION INC.**

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### **NEWS RELEASE**

April 30, 2008

Paul Pfundtner, C.E.O. and Bernie Reimann, President, of Red Stag Engineering & Automation, Inc. are very proud to announce that they have received Copyright Patent Registration on:

#### ***Intelligent Hydraulic Cushion With Smart Software Controller for Mechanical Presses***

In 1988, stamping high strength steel and Taylor Blanks was a problem in mechanical presses. According to the *High Strength Steel Stamping Design Manual* published by Auto/Steel Partnership, a programmable blankholder was necessary. Red Stag now has the software patent that controls the hydraulic cushion with the speed of the mechanical press.

Red Stag hypothesized, engineered, and built a hydraulic cushion in which the force could be controlled in any area. The stroke of each cylinder is changeable, and the hydraulic force in each cylinder can be increased or decreased. Both the stroke and the force can be changed more than eight times while the mechanical ram is going from the 3 o'clock to the 6 o'clock position at production speeds, giving maximum control over binder pressures. Red Stag has performed this cushion with and without draw beads.

Red Stag currently has cushions installed in Ohio and Michigan. For more information, including a disk demonstrating this new technology, please contact Red Stag Engineering & Automation, Inc.