

FOR IMMEDIATE RELEASE

## Synchronized Position-Force Control for Multiple-Ram Axes

January 24th, 2014 – Battle Ground, WA – January 24th, 2014 – Battle Ground, WA – Delta Computer Systems, Inc. announces an enhanced motion control synchronizing feature for press applications. Multi-ram presses have historically employed very heavy guides and platens to prevent the platen from skewing. The electronic position-force synchronization offered by the RMC150 now allows for lighter machines to accurately control total force while keeping the ram positions identical to within a few thousandths of an inch. Figures 1 & 2 demonstrate the minimal skew obtained in a very uneven load situation.

If an application requires 2 axes, the RMC75 controller will deliver this capability. For larger applications, the RMC151E controller can handle up to 6 axes if the force is obtained via pressure sensors (2 per ram), or up to 8 axes of position-force control if load cells are a viable option.



For a video on this feature, please go to the [deltamotion.com](http://deltamotion.com) website or link <http://youtu.be/9iSmPHpNq4w>

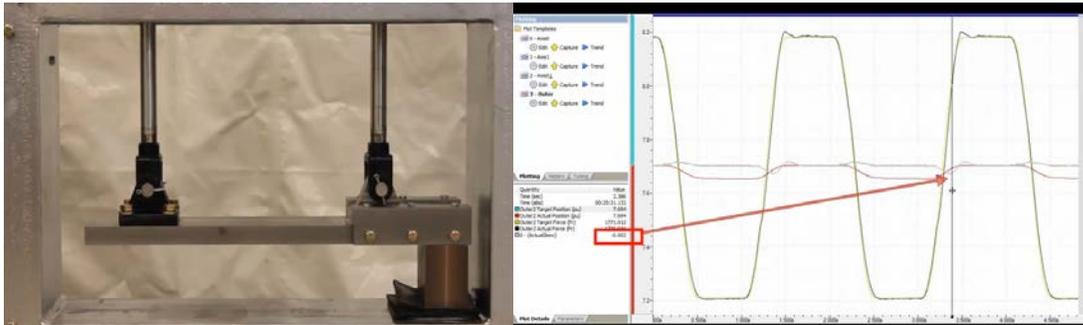


Figure 1

Figure 2

**Delta's RMCs for Synchronized Position-Force. Figure 1 shows non centered load and Figure 2 shows a plot of minimized skew between cylinders.**

"Delta customers want precision and repeatability when executing position and/or pressure/force control in all multi-axis applications," stated Steve Nylund, Delta's CEO. "This feature can help deliver high performance in multi-ram applications even with very uneven loads." Nylund added.

The high performance motion control products that Delta designs, manufactures and markets are used worldwide for hydraulic, pneumatic and electric closed-loop control in a wide array of single and multi-axis applications, including testing, food, energy, automotive, entertainment, plastics, materials, aerospace, metals, forest products and others.

About Delta Computer Systems: For more than 30 years, Delta has supplied motion controllers, color sensors, and other industrial products that enable OEMs & integrators to build better machines. For more information contact Bill Savelle, Delta Computer Systems, Inc. 1818 SE 17th Street, Battle Ground, WA. 98604. P 360-254-8688, fax 360-254-5435, or email [technicalsales@deltamotion.com](mailto:technicalsales@deltamotion.com). Editor: Please indicate **Synchronized position-force** for inquiry identification.