

For Release: NPE 2006 -- June 19, 2006 (BRO #8007)

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Brown Machine LLC, NPE 2006 News (Booth #S1409):

## **Newly Refined and Redesigned Product Handler Systems from Brown Machine**

Beaverton, MI – Brown Machine LLC announces a refined and redesigned product handling systems. Brown first introduced a conveying design for product handling cups in the eighties and has provided a variety of handling systems since introduction. In 2005, Brown Mechanical and Controls Engineering groups teamed up with their Process Engineering group to better redefine the market's requirements. The result. . . a redesigned product handling system to effectively and reliably separate and move trimmed product from the stationary side of the die shoe to a cross transfer conveyor that then transfers the product to the next production function such as lip rolling, counting and bagging. Product handling systems are available for use on all T-Series trim presses.

Product handlers are available for both single and double row trim applications. As the product exits the stationary die shoe, they are guided into product specific trays. When the system reaches a pre-set count, product specific pushers separate the product stacks and guide them onto the cleated belt of the cross conveyor. Both the product specific pushers and trays are designed for quick change and cleated belt may also need to be changed based on trim centerlines. The cross conveyor can be designed to convey to a single side, or both sides. Models have been designed to convey half of the products to one side and half to the other side. This system works particularly well in high speed applications requiring a short cross conveyance time or with bi-colored sheet to keep the colored products separate. The cross conveyor then delivers the stacked products to a connecting conveyor system. These connecting conveyor systems are to customer specified designs dependent on where the product is to be transferred and the next functional requirement.

All operator interface variables are through an Allen Bradley PanelView display with all motion and control through an Allen Bradley MicroLogix PLC. User friendly screens guide the operator with process variables.

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Prior to shipment, all product handlers units are tested at Brown. If sold as part of a package including a thermoformer, trim press and tooling, the product handler is set-up inline and proven. If being provided to integrate into an existing line, customers are asked to furnish product for testing. The units are then tested and adjusted to insure proper separation and conveyance of the actual product relationship to the product handler.

### **Brown's "Trim-To-Rim" Solutions**

With the incorporation of the product handler and conveyors between a Brown T-Series trim press and LR-Series Lip Roller, Brown provides a true "trim-to-rim" solution. With the addition of third party counters and baggers, Brown can provide a complete package.

### **Brown Machine at NPE 2006**

Brown Machine will be exhibiting at NPE 2006 at McCormick Place in Chicago, IL, June 19-23, 2006 at booth #S1409 and can answer your questions regarding product handling and "trim-to-rim" solutions.

### **On Brown Machine LLC**

As a global leader of thermoforming technologies, Brown Machine LLC engineers and builds a complete standard line of continuous and cut-sheet thermoforming equipment and related tooling/peripheral equipment. Specialty thermoforming systems suited to a wide range of markets (including automotive, recreational, packaging, appliance and various other industrial segments) can be custom built to exact customer specifications. Brown Machine fully supports the thermoforming industry (Brown machine owners and competitive models, as well) with a full complement of 24/7/365 on-call service and parts support.

For more information contact Brown Machine, 330 North Ross Street, Beaverton, MI 48612, Phone: 989-435-7741, fax: 989-435-2821, [www.brown-machine.com](http://www.brown-machine.com).

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