

For Release: NPE 2006 -- June 19, 2006 (BRO #8002)

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

## **Brown Machine Announces Long Stroke LP and LDP Model Horizontal Trim Presses for Deep Draw Progressive Trim Applications**

Beaverton, MI – Brown Machine LLC announces the addition of LP and LDP Models to their T-Series line of horizontal trim presses. These models are designed with additional stroke length to pre-punch and trim deep draw containers in a progressive trim application. The LP-Model is capable of pre-punching and trimming up to an 8” deep container and the LDP-Model can pre-punch and trim up to a 12” deep container. This increased stroke capability to progressively trim deep draw containers coupled with the precise linear guiding of the platens, eliminates the need for an intermediate trim press to pre-punch. These models are available with sheet widths of 33”, 53”, 58” and 68”. Both the LP and LDP Models are successfully producing volumes of products with pre-punch progressive trim applications.

Both models are based on the highly successful standard horizontal flywheel design trim press that utilizes the flywheel inertia for trim tonnage requirements. The LP-Model has a flywheel shaft assembly with 32” diameter flywheels and a 5” diameter main shaft which generates 30 tons of trim force; where the LDP-Model has 37.25” diameter flywheels with a 8” diameter main shaft and is rated at 40 tons of trim force. As with all Brown T-Series trim presses, the moving platen on each model is precisely guided with eight linear bearings. The LP-Model has the ability to side load tooling up to 38” tall and the LDP Model can accommodate tooling up to 42” tall. The moving platens are also taller to support these progressive trim tools. These openings offer side load capabilities to producers utilizing some of the tallest trim tools with pre-punch capabilities. A powerful variable frequency motor and drive with a gear box is connected to the flywheels by multiple “B” belts for efficient transfer of power and control. Multiple crank throw locations for 4.5”, 7.5”, 10.5”, 13.5”, 16.5” and 19.5” stroke selections are available on both models; with additional stroke selections of 22.5”, 25.5” and 28.5” on the LDP Model.



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Standard models are controlled with a CTC Parker Human Machine Interface (HMI) that interfaces with a PLC for machine control functions and the Yaskawa servo systems for feed and eject functions. As an option, Brown's new Series 4.0 Controls are available with the Operator Interface incorporating non-proprietary National Instruments Lookout software. Menu-based color displays provide ease of navigation and machine control throughout the HMI.

As with all T-Series trim presses, both mechanical and servo feed systems, servo eject, power canopies and a variety of other options are available to configure the trim press to meet your requirements.

## **Leaders in Trim Press technology**

These LP and LDP Models add to Brown's comprehensive line up of T-Series horizontal trim presses with linear guided platens in either VFD or servo drives to cover virtually any horizontal trim application. V-Series servo driven vertical trim presses that can be used as either an intermediate trim press for pre-punch applications or as a perimeter trim press to trim, count, accumulate and transfer pre-counted stacks of products.

## **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 trim press technology.

## **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



# News



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competitive models, as well) with a full complement of 24/7/365 on-call service and parts support.

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