

NEWS



FOR IMMEDIATE RELEASE

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SHEET CUT-OFF SYSTEM: ADVANCED DESIGN PROMOTES SAFETY

Brown Machine -- Brown's new Sheet Cut-Off System eliminates any need for machine operators to physically hand-cut sheet material with a knife. This system may be added to all Brown C-Series and CD-Series thermoformers, handling up to .100 inch (2.54 mm) material thickness and 10 inch (254 mm) product height. The safety benefit of operators not having to physically cut the sheet as it enters or exits the associated thermoformer is substantial.

These automated cut-off systems can be integrated as options on new equipment, or as a stand-alone retrofit item for existing thermoformers. The Brown Sheet Cut-Off System may be located at both the infeed and exit ends of thermoformers to maximize safety and uptime. It automates, simplifies and replaces the traditional practice of an operator hand-cutting the sheet material with a knife. This system also facilitates feeding a square-cut sheet to trim presses with advanced auto-feed capabilities. Brown's wheel-type cutter has a positive transverse motion that is driven by a variable frequency AC motor drive coupled with a timing belt. The cutter is guided by a heavy-duty roller system designed to withstand the most demanding applications. Cutting pressure is variable via an air regulator, allowing this unit to cut a wide variety of materials and thicknesses.

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At the entrance end, the cut-off system is mounted in a fixed position and can be activated to cut the sheet at the beginning or end of a new roll, or at an operator's specified shutdown.

The unit is then cut at the next index cycle when activated. At the exit end, the unit is adjustable in sheet-travel direction to make cuts at predetermined locations. As the machine cycles the sheet will be cut to the pre-set length. The Brown Sheet Cut-Off System easily and automatically cuts programmable lengths of material that are consistent in size and easy for workers to handle.

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