

HITCH-FEED PRESS LAMINATION SYSTEM



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HITCH-FEED LAMINATION SYSTEM

At The Union Tool Corporation, we continually strive to meet or exceed our customer's production need. The unit pictured combines a Union Unwind Station, a Union Hot Melt Roller Coater and a Union Hitch-Feed System mounted in a hydraulic press.

These components function together to pull artwork from an unwind station and coat a PUR hot melt adhesive to the top surface in a specified area of the artwork. The artwork is then pulled into the die area of the hydraulic press. An operator manually loads the substrate in the die where the upper die lowers and laminates the film to the substrate. The film is automatically cut in the uncoated area of the artwork where the hitch-feed and cutoff come in contact with the film. It is this ability to coat the adhesive onto a web in a predetermined area that makes this unit unique and productive.

The artwork unwind is equipped with an adjustable brake that automatically adjusts with the diameter and is cycled through the PLC as each cycle is made.

The Union Hot Melt Coater is equipped to coat web materials and utilizes a wrap roll attached to air cylinders to move the artwork in and out of contact with the coating roll of the hot melt coater.

The Union Hitch-Feed System grips the leading edge of the artwork as it is held in a fixed clamp and pulls the artwork forward a specific length to position the coated area of the artwork in the exact spot for the top die to lower and the substrate to be laminated to the coated area of the artwork.

INNOVATIVE, ACCURATE AND EFFICIENT!

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