

New Digital

Brackett Edition Master Series IV



The *NEW DIGITAL* Brackett Edition Master Series IV is a high performance production machine for tipping and taping end sheets and signatures together. The EM is manufactured to Brackett's time honored exacting standards ensuring reliability, ease of operation, economy and quick product change over.

For further information or pricing, please contact us :

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INFEED

Feed pockets: The *EM-IV* features two automatic feed pockets with sucker assemblies; one for end sheets and one for signatures. The automatic feed pocket's unique design allows for easy adjustment of back plates, angle guides and crowder assembly height. In addition, both work support tracks are adjustable up or down thereby permitting the *EM* to handle more product variations.

Feeder assemblies: Dual hoppers are designed around four vertical linear servo motor robotic shuttle systems with pneumatically driven vacuum bars for precise picking and controlled placement of a wide variety of material mediums and size ranges of end sheets and signatures. The vertical servo units are digitally tuned and monitored by a PLC to provide optimum product registration and control via a "high resolution" digital encoder.

Mis-feed & double detection: Is designed for first chance detection in the gripper assembly and second chance detection in the pre-head belt area.

COMPRESSION HEAD BELT ASSEMBLY

Compression head belts: The flight chain assembly delivers the endsheets and signature combinations into a power driven compression head belt section, which grips the pre-registered units and conveys them through tipping and taping operations.

Tipping: The *EM-IV* features a pressurized cold glue extruder tipping system with superior, air-actuated controls for precision start-stop glue application. An optional hot melt tipping system can be deployed.

Hot melt glue pot: The 3.63 KG (8 pound) hot melt glue pot features operator friendly, state of the art digital controls, automatic start-up, seven day timer, digital temperature control readout and overheating protection. This is the same glue pot technology that is featured on the famous ***Brackett Circular Padding Machines***, which have been in use worldwide for decades. Optional Cold Glue and Hot Animal, Glue Pots are also available.

Tape application: To apply the adhesive, reinforcing tape is drawn over a roller immersed in hot melt glue. (Cold Glue & Hot Animal Glue Pots optional) Hot melt is recommended since it sets up quickly, needs no wiping, no skimming, and is easy to clean up. After applying the adhesive to the tape, the tape is pressed to the spine and formed by unpowered rollers, shoes and spring loaded wipers.

Tape: A knife cuts the tape anywhere between the signatures with a simple rotary blade knife. Tape tails need to be removed in a separate operation.

DELIVERY

The *EM-IV* comes with a machine driven flat belt conveyor. The combined/tipped individual items are automatically laid separately on this conveyor.

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Power requirements: 230 Volt, Single phase, 60 Hertz, 60 Amps service is required.
Other optional power packages are available upon customer request.

Frame: Constructed with vertically aligned heavy steel leg plate sections, supported by full-length structural steel base channels.

Speed: New variable drive boost machine speeds of 3,600 cycles per hour with work that is 17 inches long or less.