



New HAECO LV-3010 Laminating System Helps Anchor Bay Packaging Increase Productivity Over 25%

If you are a leading supplier of multi-material packaging for a variety of industries around the world, it is vital to your business that the adhesive application process you rely on be efficient and meet the high performance specifications required in today's packaging industry. Time is money and you need to stay one step ahead of the competition for your business to grow. So when New Baltimore, Michigan-based Anchor Bay Packaging Corporation, a supplier of custom engineered, multi-material packaging products wanted to increase adhesive application performance for its production facility, they called on the engineering expertise of Henline Adhesive Equipment Inc. (HAECO) to get the job done.

Building a Better Way

Prior to calling on HAECO, Anchor Bay was utilizing hand operators who were responsible for affixing glue to the pieces. Though the process was sufficient for delivering product, the process was leading to variations in production efficiencies, such as using too much glue raised the cost to produce the product and using too little glue wouldn't hold particular pieces together. Additionally, the amount of product being produced each hour varied with each operator. Those operators using excessive amounts of glue could produce only 30-40 pieces an hour while others could produce 70 pieces an hour. Anchor Bay engineering wanted a controlled environment where processes could become more automated and systematic.

Having an existing relationship with Anchor Bay as a part supplier for extrusion systems, Henline Adhesive Equipment Company Inc. (HAECO) offered their engineering and manufacturing expertise to custom build Anchor Bay a machine for gluing interior dunnage parts. After assessing the production needs and consulting with the Anchor Bay management team, HAECO proposed a customized solution that would address the unique production challenges. HAECO began designing a large state-of-the-art corrugated laminating system, now known as the LV-3010.

In building the system for Anchor Bay, HAECO was faced with several design challenges. HAECO already had machinery for applying adhesive but Anchor Bay had specific needs to be met for the type of pieces they were producing. Anchor Bay needed a machine that could handle pieces 120 inches in length, when most machines only handle 60 inch pieces. Also, they needed a machine that could handle two products at

the same time. To achieve these specifications, HAECO built two machines into one, with conveyors, headers and glue ports to move two pieces at a time through the adhesive process.

The LV-3010 machine is a 30-valve 10-ft. wide conveyor laminating system that allows Anchor Bay to make a variety of specialty packaging products without intense labor costs, resulting in a competitive edge, new sales opportunities, and increased profit margins. Using the combination of a Nordson DuraBlue? 25 Adhesive Melter, National Adhesive Cool-Lok 34-250A Hot Melt and 33-034A liquid adhesive, the system provides quick green strength for handling the product immediately while the liquid adhesive cures, reducing production time and floor space requirements. The DuraBlue melter enables production flexibility through the high-output gerotor pump with a choice of preset speeds for the AC motors. Additionally, the melter's grid and reservoir tank are designed to reduce adhesive degradation while maximizing the adhesive throughput.

The Proof Is In The Numbers

Since being installed in March of 2004, the system has increased Anchor Bay's productivity an average of 25 percent and improved the quality of their work. Before, hand operations had variances, with each operator using different amounts of glue for applications. With the new system, an operator sets the machine for the correct amount and placement of adhesive for each design and it maintains those levels. In addition, the machine now produces an average of 85 pieces an hour, compared to the pre-machine production of 30-70 pieces. The result is an increase in the company's overall productivity, which directly impacts the bottom line performance.

"The LV-3010 was a great investment, helping us to improve quality and to streamline our manufacturing process," said Tim McLeod, Operation Manager at Anchor Bay Packaging. "Since installing the machine we have eliminated one step of the process and the machine allows for all the work to be done in one area of the plant."

"Our new system from HAECO helped us improve the quality of our product and increase productivity," McLeod said. "The machine is so versatile it has been booked from open to close everyday since installation."

For more information on how HAECO's Specialty Gluing or Laminating System could improve your production process call us at **(800) 852-3522**