

Producing Perfect Packages

Unlikely tool proves it's up to the task

The Achievement

Coyle Packaging Group of Peterborough, Ont. was able to meet their customer's needs for corrugated plastic boxes by using one of STANMECH's products.

The Challenge

Coyle Packaging was looking for a method to weld 10-mm sheets of corrugated plastic to form boxes that would hold 2,000 lbs. of material and be stackable three to four boxes high. Coyle's general manager, Bob Angione, also requested that the seal resist dust and be watertight to give their customer outside storage capabilities in inclement weather. Coyle had tried other methods of sealing the boxes including applications of hot glue to seal the corrugated plastic, but they had mixed results.

The Details

Initial meetings with Coyle took place in May 2006. STANMECH's solution was to use the Leister VARIMAT to weld the corrugated plastic to form boxes. Testing was done in June and July. Samples of the corrugated sheets were welded in STANMECH's Burlington lab. The results satisfied Coyle, who then requested further testing with their own personnel present. Five boxes were sealed before Coyle staff, who approved the results and sent the boxes to their customer for an eight-week trial period. Coyle's customer was satisfied during the trial period.

Why STANMECH?

At the time of our initial meetings, Coyle was not aware that STANMECH supplied hot air equipment manufactured by Leister. Through meetings and discussions, Coyle was made aware of STANMECH's capabilities and expertise in the precise application of heat.



The new VARIMAT V2, the successor of the VARIMAT.

The Results

During testing, the VARIMAT provided the necessary temperature, pressure and welding speed to give a proper seal to the corrugated plastic to meet Coyle's customer requirements. The sample boxes provided by STANMECH were tested successfully under actual load conditions at Coyle's warehouse and found to meet all requirements as requested by Coyle.

STANMECH Technologies Inc.

STANMECH Technologies Inc. has been providing solutions for processes that involve the precise application of heat and air since 1981. With expertise in plastics forming and joining methods, as well as heat and air sources for industrial applications, STANMECH provides customized solutions for specific applications challenges in most industries across Canada.

Leister products are available in Canada only through STANMECH and its distributor network. STANMECH is also an exclusive distributor for JetAir Technologies, LLC, Nex Flow products in Ontario & Quebec, non-exclusive in the rest of Canada, and Secomak products in Canada. STANMECH is based in Burlington, Ontario and can be reached at 1-888-GET-MECH.