



It's not just Packaging

Innovative All-Servo Pouch Machine




A control station, used to monitor and change all machine settings of the pouch machine.

tune" the operation of the machine for optimal performance on a wide range of materials.

The elimination of the traditional air cylinders for sealing bar movement has reduced the noise level of the machine substantially. The air cylinders also required large amounts of compressed air. This was a potential cause of impurities being discharged into the production environment. The air cylinders also required replacement of seals on an annual basis. By using a servo motor to control the sealing bar, the operator can adjust the sealing time and pressure through the HMI touch screen. This reduces set-up time and start-up waste. Some additional features that make the machine highly efficient are tool-less changeover, low maintenance bearings and belts, on-board job memory and a machine fit and finish that will stand up to years of operation.

PDI's decision to choose B&R as their automation equipment supplier was based on several positive factors. First

of all B&R was able to offer an integrated solution for the system. Additionally, the B&R Automation Studio Software offers the customer "One Tool for Many Targets" or in other words a single software tool for Visualization, PLC and Motion. B&R developed the machine in co-operation with PDI in order to integrate the entire system in one hardware and software shell. Furthermore the B&R system features high speed control. One of the most critical processes of the machine is the fast I/O control including programmable CAM switches and CAM motion. The machine requirement that the system would change the profile depending on the speed of the machine was achieved with various CAMs and stretching the profile. Last but not least B&R also provides the customer with continuous engineering assistance and support. Dave Dytchkowskyj states "We believe that B&R has met or exceeded every promise made to PDI, as well as enhancing the marketability of PDI Pouch Machines for many years to come."

PDI's innovative engineering resources continue to set new standards for speed and product quality. PDI offers machines that support customer needs whether it is a small start-up company, or a large high-volume producer. Today, PDI is one of the technological leaders in pre-formed packaging machinery. 

Dave Dytchkowskyj,
President, Proven
Designs Inc.



"Proven Designs has been trying for many years to find a supplier for machine controls that could provide globally based sales and service programs, as well as the sophistication to deal with PDI's demand for a highly evolved software and hardware capable of the "low resolution time" performance. With B&R the company found the right partner. PDI's list of requirements was far reaching, considering the long list of machine activity features PDI is known to offer to their customers. B&R sized up all of PDI's requirements and committed to a full program, which included the writing of code, the PLC controls combined with various servo and stepper motor packages including B&R ACOPOS and Automation Studio Software."