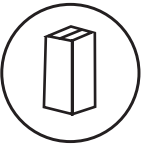


# PHARMACEUTICAL/MEDICAL



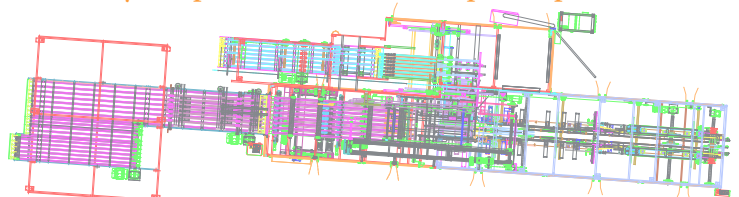
Brenton and Currie have extensive **experience in designing, integrating and manufacturing legislative compliant end-of-line solutions** for customers in the pharmaceutical and healthcare sectors. We recognize our customers' challenges to comply with emerging global legislation. Brenton carefully and diligently reviews specifications and incorporates technology to meet the demanding requirements of pharmaceutical companies while ensuring high overall equipment effectiveness and maximum uptime. Brenton can support customers with appropriate plans as customers obtain FDA validation.

## BENEFITS

- We can **integrate ID Technology or customer specified printers and/or labelers** to provide a bar code that can be easily read electronically.
- By **incorporating redundancy** within our controls system Brenton helps manufacturers insure the functionality of the system is sound.
- Integrated vision systems and processes **verify the product identifier on prescription drug packages.**



**Brenton**®



## Project Overview

### The Customer Challenge:

In a very tight time frame the customer wanted to replace its conventional tray/shrink equipment with a more environmentally-friendly and technologically advanced solution. Specifically, they were interested in reducing the amount of film and packaging product used by means of banding can product then loading the product into trays.



### The Pro Mach Solution:

The client was an existing customer of both Fowler and Allpax and had a strong relationship with Pro Mach corporate but was using competitive products for the machines they wanted to replace. Their relationship with Pro Mach opened the door for Brenton to design and install a shrink wrapper and heat tunnel Brenton also provided 4 BrentonPro high speed inline continuous motion case packers for their other plants. These case packers were designed to pack 8 ounce plastic bottles of nutritional drinks into wrap-around cases and operate at speeds up to 75 cycles (1,200 products) per minute and to accommodate 15 different pack patterns- a 25% increase in output over the previous equipment. Each case packer project involved conveyor integration as well. The BrentonPro Series case packers allowed the customer to become more sustainable by reducing its amount of film and packaging product used. Brenton was also able to meet a very short lead time of just 3 months for the first two case packer systems installed in one of the plants.



## Project Overview

### The Customer Challenge:

This company wanted to implement the end-of-line automation to provide the final piece of the automation puzzle between their existing upstream automation and their automated storage and retrieval system interface with automated guided vehicles. A single supplier was preferred to provide three (3) identical systems to finish pallet loads for a brand new plant. The customer also wanted a high degree of customization to a degree that a higher capabilities robotics integrator such as Brenton could provide.

### EOL Solution

A robotic palletizing system utilizing a vacuum venture tool picks and places sealed cases of product onto a pallet. With all loads flowing through the system wide dimension leading, the completed pallet indexes to the robotic corner board application system. Loads below a preset layer count are bypassed without placing of corner boards. After boards are applied to all corners, the wrapper finishes with a wrap sequence and the load conveys onto the exit conveyor. Finished loads are discharged for labeling, label verification, and removal by customer AGV.

Making a **DIFFERENCE**  
in the **success** of our  
**CUSTOMERS**

**Brenton**

www.BrentonEngineering.com  
sales@becmail.com  
320-852-7708

4750 County Rd. 13 NE, Alexandria, MN 56308  
powered by Pro Mach

**Currie**  
by Brenton

www.CurrieByBrenton.com  
currie@becmail.com  
320-852-6993

Rev. 092115