



case study

tna packaging lines improve productivity for large confectionery manufacturer



Since its merger with Farley's & Sather in 2012, Ferrara Candy Co. Ltd. is one of the largest confectionery manufacturers in the world.

challenge: enhancing output and reducing product waste

The company wanted to enhance productivity at its Chattanooga, TN, U.S., plant by reducing clumping and sticking as products travelled through the packaging line. As a leading manufacturer of distribution and conveying systems, **tna** was well placed to help to overcome this challenge.

solution: an integrated packaging line

Working in partnership with Ferrara Candy Co. Inc., **tna** delivered an integrated packaging line to deal with issues of product sticking and clumping. Following careful consideration of the company's needs, facilities and product portfolio, **tna** installed eight vertical form fill and seal bagging, weighing and vibratory motion distribution systems at Ferrara Candy's site.

a **tna** case study

To prevent gummies from clumping and sticking, **tna** installed its proven roflo® conveyors, which gently distribute product using a unique vibratory motion. Plus, the systems' dimpled surface allows for even smoother product flow. The conveying line design also incorporated a platform structure for ease of system integration and gated product flow. **tna**'s solutions optimized use of the existing plant footprint while improving operating performance.

An additional requirement at Ferrara Candy's plant was to pack products in 22.5g bags. This demanded highly accurate weighing at a high velocity. As such, **tna** intelli-weigh® delta multi-head precision scales were implemented, weighing at speeds up to 205 bpm.

To optimise efficiency and speed on Ferrara Candy's packaging line, **tna** robag® 3c machines were also installed. With triple rotary jaws, the baggers ensure seal integrity by preventing bursts and reducing waste. Clean, safe seals are guaranteed by the stripper tubes in place on the baggers. This design prevents product or by-product from entering the sealing area. **tna**'s baggers operate in synergy with the weighing and distribution elements to provide high-performance door-to-door packaging systems.



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result

Following the installation of the new packaging equipment, **tna** worked hand-in-hand with the staff at Ferrara Candy to ensure the transition to the new systems was as seamless as possible. The candy company's machine operators and maintenance engineers received extensive training on the new lines and spare parts kits are on-site, allowing in-house maintenance workers to perform routine upkeep and reduce machine downtime. The entire process, from initial discussions to installation took less than 12 months.

Ferrara Project Leader Randy Beranek says: **"tna really took the weight off our shoulders. Listening carefully to our needs, they designed a system specifically for our processing requirements and throughput, plus their project manager was always on hand, coordinating it all from inception to installation and training."**

He also commented that the installation was executed on time, with minimal disruption to the daily running of the plant, adding: "We have received great feedback from our staff, who have commented on the ease of use of the **tna** lines."

tna is a leading global supplier of integrated food processing and packaging solutions with over 35 years of industry experience and 14,000 systems installed across more than 120 countries. The company provides a comprehensive range of products including materials handling, processing, cooling and freezing, coating, distribution, seasoning, weighing, packaging, inserting and labelling, metal detection, verification and end of line solutions.

tna also offers a variety of production line controls integration & SCADA reporting options, project management and training. **tna**'s unique combination of innovative technologies, extensive project management experience and 24/7 global support ensures customers achieve faster, more reliable and flexible food products at the lowest cost of ownership.