

APPLICATION & DESIGN

Bulletin



Volume III, Issue 4

October 2003

QUICK FACTS

- **Machine:** TC 50
- **Speed:** Up to 60 cartons per minute
- **Industry:** Automotive
- **Application:** Hand-load vertical cartoning of various automotive parts
- **Other Applications:** A wide variety of hand-load or semi-automatic bottle loading applications.



PRIMARY PACKAGING

SWF Companies—Tisma Division
1099 Estes Ave.
Elk Grove Village, IL 60007

Phone: 847-427-9525
Fax: 847-427-9550

SECONDARY PACKAGING

SWF Companies
1949 E. Manning Avenue
P. O. Box 548
Reedley, CA 93654

Phone: 800-334-8951
Fax: 559-638-7478

info@swfcompanies.com
www.swfcompanies.com

New Vertical Cartoning Systems Lead the Way for Improved Packaging Line Performance

When it came time for a leading auto parts manufacturer to upgrade their packaging equipment, they didn't have to go far to shop around. In a sister production facility, they had multiple cartoners available from no less than three different manufacturers for a "real-world" evaluation!



Bins on the TC 50 are available to hold/store various products prior to hand loading the cartons.

lines that included a hand-load vertical cartoner, ink jet coder, check weigher and shrink bundling system.

Prior to the purchasing decision however, the manufacturer's project leader interviewed maintenance and production managers to get input on the existing cartoning systems. This input, coupled with the project leader's own evaluation, led them to purchase Tisma's TC 50 vertical cartoners.

Capable of withstanding the rigors of a 24-7 production environment, the hand-load TC 50 is both ergonomically friendly and easily integrated with various types of ancillary packaging equipment, including a future material handling automation system.

Furthermore, the TC 50's flexibility and quick changeover features allow the end user to run an array of both carton sizes and products. In this instance, the customer required the ability to run five different carton sizes and often, the same size carton would hold

Their existing cartoning systems were approaching 20 years of age and this particular manufacturer was looking to increase operating efficiencies (including operating speeds), improve ergonomics and replace outdated guarding. They also needed a vendor who could act as the "general contractor" for the entire packing line. Eventually, they ordered two complete



The TC 50's rotary carton feeder opens and places each blank into the carton pocket.

Continued on Next Page....

Innovative Packaging Automation

Continued From Previous Page....

different products. This, coupled with the need to have the cartons coded, check weighed and staged prior to shrink wrapping, further highlighted the TC 50's ability to offer positive carton control at the discharge.

A key customer requirement was also pre-installation testing of the entire line (from cartoner to shrink wrapper), in operation at Tisma. They brought their production teams in to test and train on the new system. This approach assured a seamless



Carton closing on the TC 50 can be done via straight or reverse tuck (shown above), or hot melt glue.

installation and allowed the customer to test all products, ensuring minimal tooling and faster changeovers. Additionally, all changeover settings were documented and scaled at the changeover locations, improving both changeover times and repeatability.

Installed early in the second quarter of this year, both packaging lines are fully operational and running smoothly. Output speed has doubled and changeover time has been reduced by more than half, compared to the previous cartoning systems.

Tisma to Introduce NEW Vertical Cartoner at Pack Expo Las Vegas

In response to growing customer demand and several internal product development initiatives, SWF Companies—Tisma Division is pleased to introduce the new Victory 100 vertical cartoner.

With a list price of \$85,000—the Victory 100 represents an ideal packaging automation solution for most vertical hand-load, semi-automatic cartoning applications, including those often encountered by today's contract packers.



With a host of standard features, including precision milled carton pockets, a powered carton magazine, 40 inches of ergonomically designed loading space and interlocked safety guarding, the Victory 100 also features scaled, operator-friendly adjustments at all changeover locations, a compact design and short lead times.

Capable of reaching speeds up to 200 cartons per minute, the Victory 100 also offers a variety of value-driven and custom options to further tailor the machine to a customer's exact needs. These options include adjustable carton pockets, automatic bottle loading, extended carton magazines, hot melt closing, coupon placers, custom infeeds, among numerous other options.

With a host of standard features, including precision milled carton pockets, a powered carton



Booth 2038

SWF Companies will be exhibiting an array of innovative packaging automation solutions in Las Vegas this year, including the following:

WP 100—Capable of speeds up to 30 cases per minute, this compact wraparound case packer handles a variety of products and case/tray sizes.

Victory 100—Unveiled for the first time in Las Vegas, this new hand-load vertical cartoner comes with a host of standard features and short lead times.

TC 600—Ideally suited for a wide range of horizontal cartoning applications, the TC 600 is capable of reaching speeds up to 500 cartons per minute.

BF 400V—Compact in design and capable of forming hundreds of bliss box styles, the BF 400V forms up to 2400 bliss cases per hour.



Volume III, Issue 4 October 2003

The Application & Design Bulletin is published monthly by SWF Companies, Reedley, CA. If you have any comments or suggestions regarding the Application & Design Bulletin, please contact Joel Anderson or email us at info@swfcompanies.com.

www.swfcompanies.com