

APPLICATION & DESIGN

Bulletin



Volume IV, Issue 7

July 2004

QUICK FACTS

- **Solution:** ERoS
- **Speed:** Up to 25 cases per minute
- **Industry:** Multiple
- **Application:** Case packing RSC cases

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: 559-638-8484
Fax: 559-638-7478

ROBOTICS

SWF Companies—GSMA Division
2730 Kirby Ave., NE Building #5
Palm Bay, FL 32905

Phone: 321-728-3800
Fax: 321-728-5555

info@swfcompanies.com
www.swfcompanies.com

New Modular ERoS System Offers Flexible Case Packing Solutions

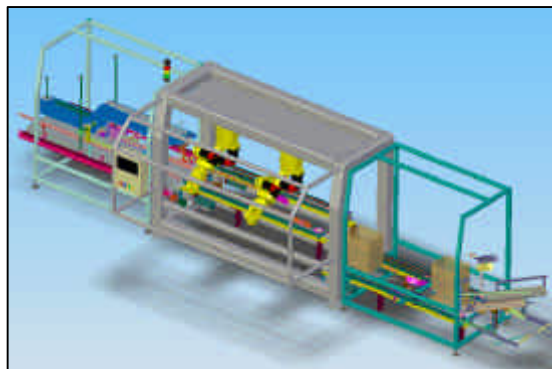
With the enhanced capabilities and expertise afforded to us via the recent acquisition of GSMA Systems, along with the support of our alliance partner, FANUC, SWF has developed the new ERoS system.

This highly flexible and reliable packaging solution integrates case Erecting, Robotic loading and case Sealing into a single system.



Modular in design, each ERoS unit provides a packaging solution tailored to the needs of each application, yet retains many features that are similar from one application to the next. Each system is comprised of three basic modules, including an RSC erector, robotic loader and RSC sealer. Using these “standard” modules, every ERoS system can be quickly designed, manufactured and assembled, resulting in a competitively priced system, with much quicker delivery.

The RSC erecting module handles a range of case sizes. Utilizing positive case control via servo-squaring, the bottoms of each case can be sealed via hot melt glue or tape. Erecting up to 25 cases per minute, the formed cases ride on a static rail into the case loading module.



Each ERoS system is configured with a robotic loading module, incorporating single or multiple robots. With each robot, the corresponding end

(gripper) tooling is designed for each specific application. Accepting either collated or randomly oriented product prior to picking and load-

Continued on Next Page....

Innovative Packaging Automation

Continued From Previous Page....

ing, the robotic module can utilize numerous software options for enhanced productivity, including vision, collision guarding / avoidance and packing compliance.

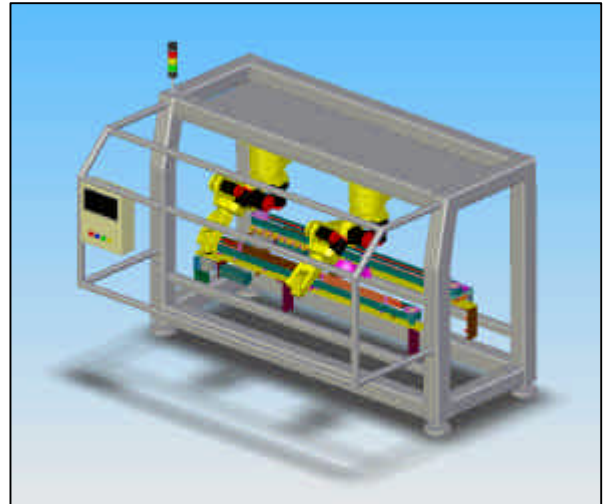
The sealing module for each ERoS system can be designed to use either tape or hot melt glue. If glue is the preferred method of sealing, a single unit can run both the case erecting and sealing modules.

Key benefits for this type of case packing system include simplicity of design, high flexibility, quick changeover and a single control platform. Because robots provide the majority of the material handling, there is a minimal number of electrical/mechanical components, greatly reducing the number of failure opportunities and increasing the system's flexibility.

With a single control platform, the robot controller handles all three modules and the servo controlled axes on the erector and case loader. With no PLC required, the ERoS system also utilizes a

single HMI touch screen interface and requires no third party VSD or servo systems.

Each system is flexible enough to handle a large variety of product types, case configurations and case sizes. Potential applications for the ERoS systems include bottles, cans, bags, pouches, cartons and tapered cups.




Website Enhancement Project Provides Detailed Explanation of Package Style Features and Benefits

At SWF Companies, our objective is to be the "Supplier of Choice." This objective carries over to how we approach our website, as we


continually strive to provide our sales associates, customers and partners with an industry-leading site that provides information not

only on our packaging automation solutions, but also the many different and unique package styles they produce.



End Slotted with Full Depth Side Flange Seal

Features & Benefits <ul style="list-style-type: none">- Solid bottom design- Enhanced stacking strength- Glue sealing required- Ideal for non-standard products	Typical Markets Served <ul style="list-style-type: none">- Produce- Baked goods- Confectionery- Dairy- Prepared foods- Beverage- Meat/poultry/fish- Misc.
---	---



SWF Forming Solution = **TF 400V**

A recent (and ongoing) enhancement to our website is the addition of a new "window" (shown left) that highlights the various features, benefits and market information for the many different tray, bliss and case styles found in our current **Package Style Gallery**.

This project is currently underway and is slated for completion within the next few weeks.



Volume IV, Issue 7

July 2004

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