

# APPLICATION & DESIGN

## Bulletin



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### *QUICK FACTS*

- **Solution:** TF 400V
- **Speed:** Up to 18 Trays per Minute
- **Industry:** Dairy
- **Application:** Vertical Tray Forming
- **Design:** Die Cut Design Style Tray

### **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](mailto:info@swfcompanies.com)  
[www.swfcompanies.com](http://www.swfcompanies.com)

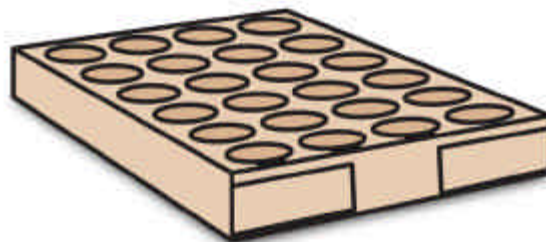
## Dairy Processor Finds Labor and Material Savings with New Tray

Processors and producers across all industries continually strive to reduce labor and material costs associated with bringing their product to market. Often times, packaging is identified as the prime area where reductions and savings can occur.

Faced with rising labor and material costs of their own, a leading dairy processor of fresh cream and yogurt was searching for a way to eliminate the manual production of shipping trays and a separate die cut pad.

Their search was concluded with the installation of SWF Companies' TF 400V tray former. The TF 400V automatically forms a die cut design style tray from a single piece of corrugated. The tray style is constructed of 125 pound B-flute, while 24 die cut holes accommodate similar diameter cups (with varying heights) for 4, 6 and 10 ounce containers.

The basic tray is formed with each cycle of the machine, while the BTB attachment seals the outer flaps to create a platform. After forming, the top flaps actually become the bottom flaps of the tray, creating the platform for the bottom of each cup. The filled trays are stacked 10 high and placed on shelves in a cold room storage room, while similar shelves are provided on delivery trucks.



The machine formed tray significantly reduced the amount of corrugated used and labor required on their packaging line. No shrink film is required to hold the cups in place, further reducing material costs in conjunction with the tray.

Operating at speeds up to 18 trays per minute, this processor expects payback on his investment within eight months of operation.

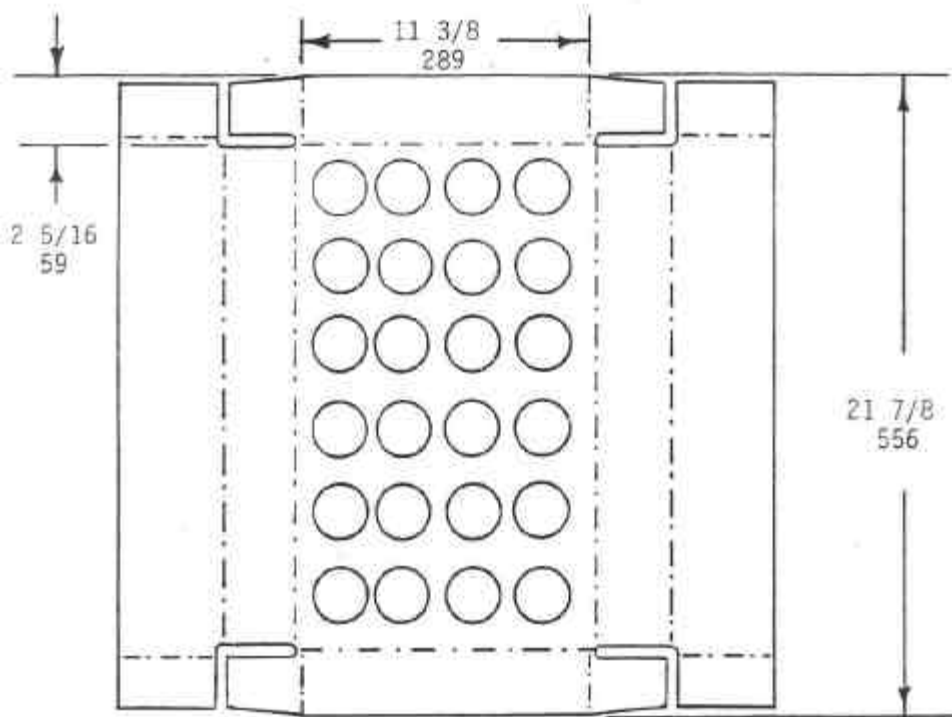
# Innovative Packaging Automation



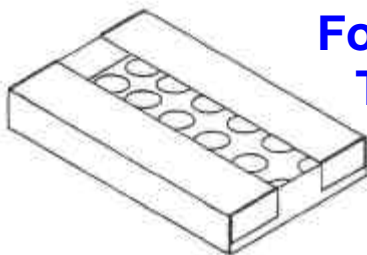
The TF 400V's compact design makes it very portable and easy to move to different production areas. With hundreds of tray designs to choose from, whether it be double corner trays (BTB), trays with flaps, triple-ended or leak-proof trays, the TF 400V is ideally suited for most one-piece tray designs.

Simple in design, including a mechanical glue system and no external air requirements, the TF 400V is available with numerous options, allowing the machine to meet the specific needs of each customer. Available options include a vacuum blank feed, large capacity hopper holding up to 400 B-Flute blanks, an automatic lidding attachment that inserts the tray into an HSC cover and large capacity glue pots.

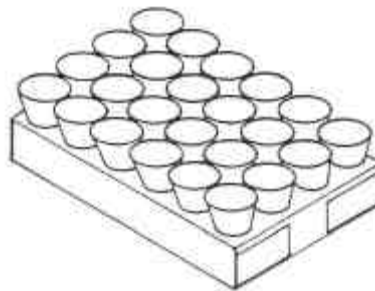
The TF 400V is also available in a Kwik-Change version (TF 400VK) for faster changeovers and a wide base model (TF 600V or VK) is also available to accommodate larger tray designs.



**Blank  
Layout**



**Formed  
Tray**



**Inverted  
Tray with  
Product**

