

Flexicell Robotic Solutions is proud to be an industry leader in robotic system integration. We are sure you will be pleased with the results.

## The Flexicell Advantage

**Custom Design.** Following a complete survey of your automation specifications, our experienced engineers can create a computer-designed simulation to show functionality cycle speeds in real time and virtually test your palletizing system. Our designs follow your automation specs and floor and flow plans to ensure the right results every time.

**In-House Production.** Our in-house manufacturing facility produces all required cell parts to guarantee the highest quality standards and offer the convenience of immediate response to design changes.

**In-House Assembly and Testing.** Your palletizing system is fully assembled and rigorously tested with original customer-supplied product in our spacious production facility to ensure flawless operation in your location. When we are confident in its viability, we disassemble and ship the system to your location. Upon arrival, our trained technicians reassemble it according to specifications and retest it.

**Training.** Flexicell will provide your technicians with on-site training in operation, controls and maintenance, and can advise additional training through the Fanuc training program when needed.

**24-Hour Service.** Our service department is available 24 hours a day. In addition, we can monitor and analyze controls via the Ethernet and generally solve problems quickly with a simple programming adjustment.

## We Differ in the Details

**Experience.** Since 1993, Flexicell has created hundreds of palletizing systems to meet today's manufacturing needs in industries including food/beverage, pharmaceutical/medical, manufacturing, electronics, automotive, and household. Over 70% of our business comes from repeat orders, and many companies utilize multiple robotics units.

**Teamwork.** We employ the best teams of design engineers, trained mechanics, service technicians, and controls engineers in the industry. You benefit from their experience.

**Confidence.** We have the confidence to offer our unconditional insurance that your system will run to specifications. Every time.

For fast, flexible, reliable and intelligent solutions.  
**Flexicell**



**FLEXiCELL**® Robotic Solutions

10463 Wilden Drive  
Ashland, VA 23005  
(804) 550-7300  
Fax: (804) 550-4898  
www.flexicell.com



## Palletizing Solutions For Process Improvement



**FLEXiCELL**® Robotic Solutions

## Palletizing Systems

Flexicell is an industry leader in designing palletizing cells that will enable your company to keep the pace in today's demanding environments and show a quick return on investment. The reliability and functionality of our robotics are proven and Flexicell is there with round-the-clock support to keep your operation running 24 hours a day.

**Complete Palletizing Systems.** The heart of our palletizing cells is the Fanuc palletizing robot. Around it we build an exact system including but not limited to, product conveyors, servo tooling and pallet handling equipment on both the infeed and exit sides. These cells can build pallet heights to 110" at payloads to 1000 pounds.



*"I find Flexicell to be an extremely reliable and easy to work with company."*  
—Don V. Heppe, Plant Engineer, Naturally Fresh

**Case and Bundle Palletizers.** Case and bundle palletizers for cases such as RSC and HSC, bliss boxes, open top trays, and pails are quickly becoming commonplace in the food, pharmaceutical, beverage and other manufacturing environments. Our systems can palletize at case speeds to 60 cpm on a two in/two out system with high-speed pallet exchange.

**Custom Designed Palletizers.** Our cells can be designed to handle specialized products and extraordinary items, such as aluminum blocks or other structural shapes of any size, that can be bundled or unitized to 1000 pounds.

**A robotic solution increases accuracy exponentially by eliminating human error and fatigue, and environmental potentialities.**

**Our systems are accurate to .05" with 100% repeatability at a rate to 60 cases per minute.**



*"Flexicell may not have the very lowest price for a project, however, they stand behind their proposal and insure that the system will meet or exceed minimum performance levels."*

—Eugene Supak, VP of Operations,  
Blue Bell Creameries, L.P.

**Servo Tool Advantage.** With our Fanuc-controlled Servo end-of-arm tooling, multiple products and containers can be handled simultaneously. The same robot can handle an extensive list of different container sizes.

**Third Party Equipment.** Each Flexicell system can be integrated with third-party equipment such as a stretch wrapper, transfer cart, or laser guided vehicles, among others.

**All Systems Include:** A complete cell includes a Fanuc robot and customized components, barrier safety guarding, standard control equipment, remote monitoring, rigorous testing, on-site assembly, complete training for operation and maintenance, and 24-hour technical support. All cabinets are UL approved.

**Bag Palletizers.** Our large bag palletizing systems can handle typical 25-, 50-, and 100-pound bags for products such as food, pet food, building materials, and garden/soil items at higher speeds—over 20 bags/minute.

*"We are very pleased with the service and performance of the robotic unitizing system from Flexicell."*

—Steve Moran, Engineering Manager, Herr Foods, Inc.

**Compact Palletizers.** For pallets to 50", a compact palletizing system using either a Fanuc M420 four-axis robot or a Fanuc M710 six-axis robot can be custom designed. These cells can handle container speeds to 15-20 cases per minute, and ROI is often less than one year.

**Dual Function Robots.** With a wide selection of programmable functions available, one robot can perform more than one function simultaneously, such as case or tray loading, along with palletizing of different-sized containers.

