

# Yamato

## FLEXIBLE Case Packer *FCP* series

*Simple, Multipurpose Design  
Both Flexible and Rigid Packages  
Vertical and Horizontal Pack Patterns  
Self Diagnosis and Error Recovery  
Versatile and Cost Effective  
Advanced Motion Control*



## Yamato Profile

### Lead Edge Automation Technology

The name **Yamato** is synonymous with quality packaging throughout the world.

With more than 80 years of experience in the field of weighing and the development of related technologies, **Yamato** continues to lead the packaging industry through carefully planned research and development. the offering of the FCP series Flexible Case Packer.

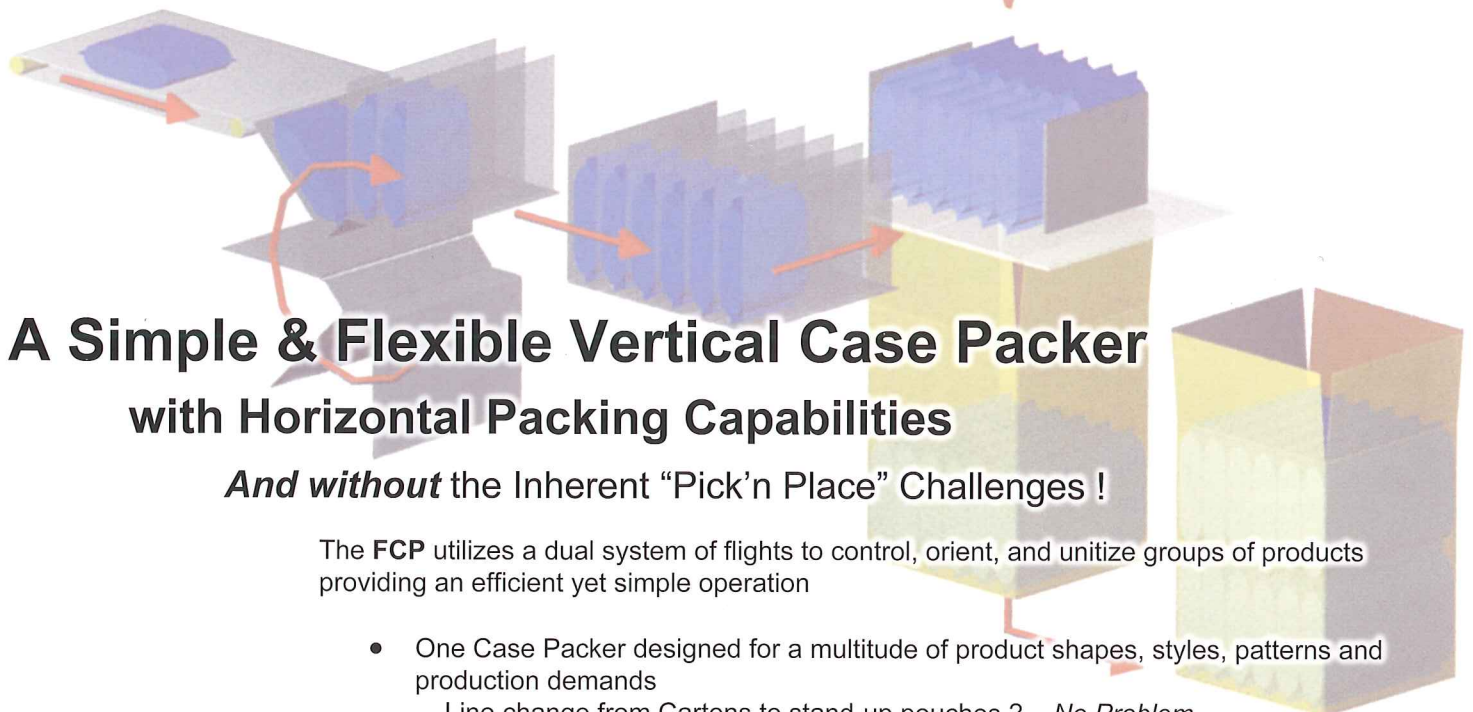
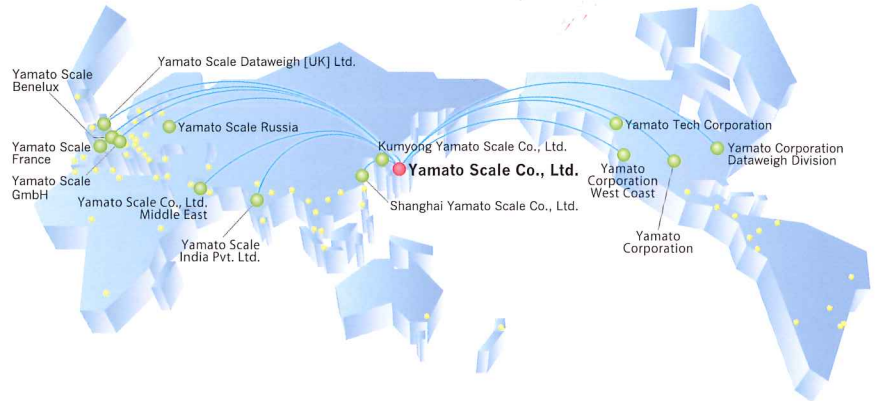
**Yamato** is proud of its newest development in packaging technology and quality manufacturing; the **FCP series of Flexible Case Packers**.

**Yamato** strives to offer new and affordable solutions which provide true labor savings to our many customers worldwide.

The **FCP series** exceeds manufacturers demands for machine flexibility and reliable changeover within a tough, multi-product manufacturing and packaging environment. Contact **Yamato** for a demonstration.

### Worldwide Sales & Service Network

Yamato is the only manufacturer of multihead weighers with wholly owned operations in America, Europe and Asia.



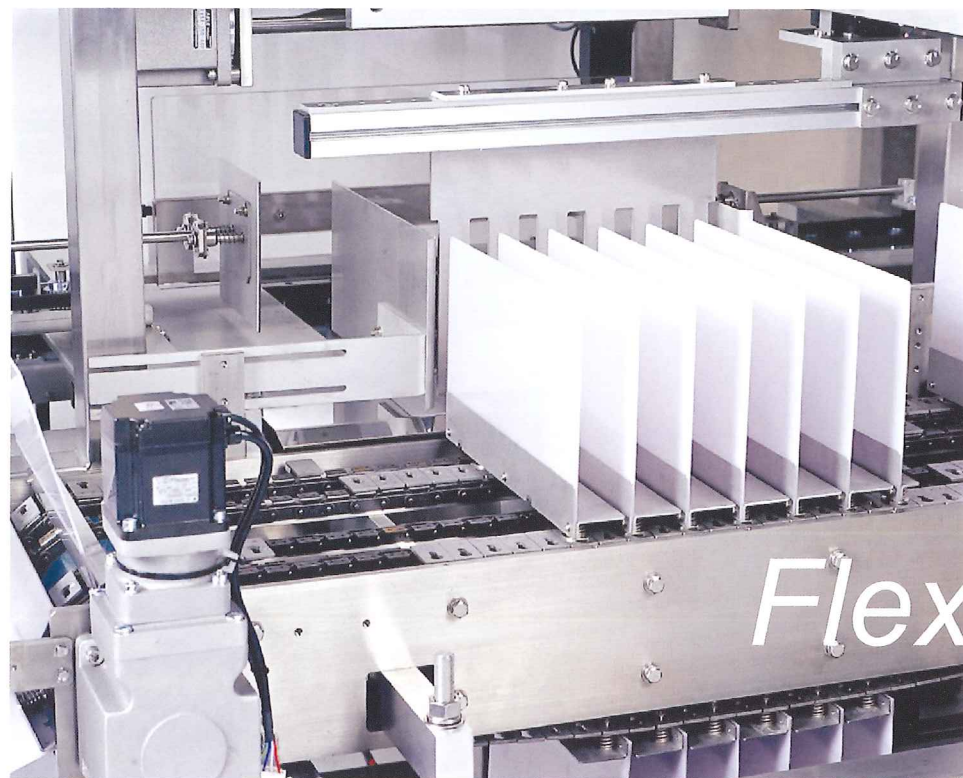
## A Simple & Flexible Vertical Case Packer with Horizontal Packing Capabilities

**And without** the Inherent “Pick’n Place” Challenges !

The **FCP** utilizes a dual system of flights to control, orient, and unitize groups of products providing an efficient yet simple operation

- One Case Packer designed for a multitude of product shapes, styles, patterns and production demands
  - Line change from Cartons to stand-up pouches ? – *No Problem*
- Multiple product “row and layer” configurations and case pack patterns
- Smooth – easy motions
- Controlled “Layer Pack” loading assures “*in the case every time!*” case packing
- Dual, independent collator design increases speed through multi-axis design
- Compact machine footprint design for tight spaces and production changes
- Integrate directly with Yamato CheckWeighers and/or addition equipment
- Stainless Steel Construction





# Flexibility through Controlled Motion

## Advanced Motion Equals Control !

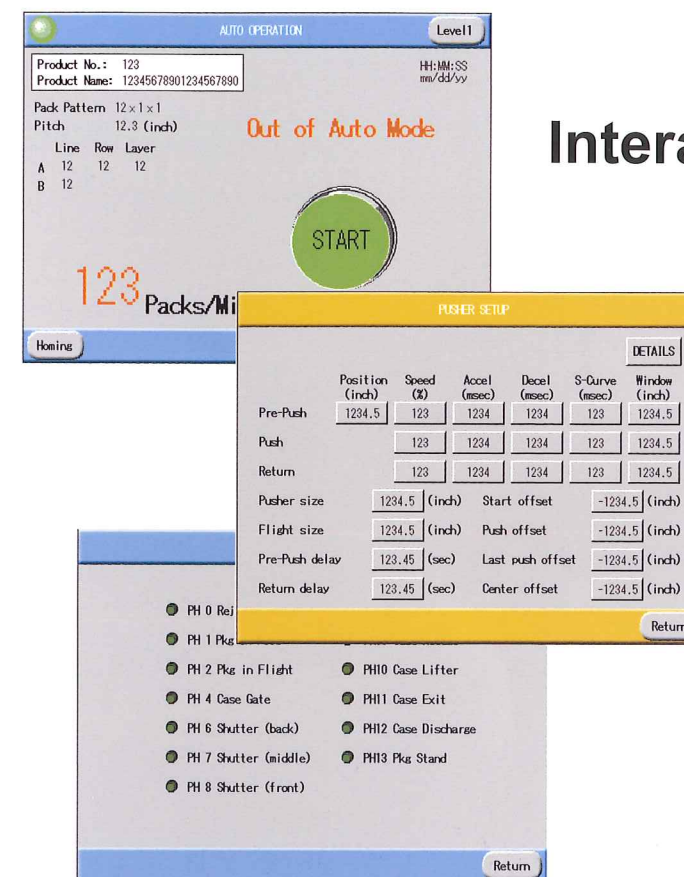
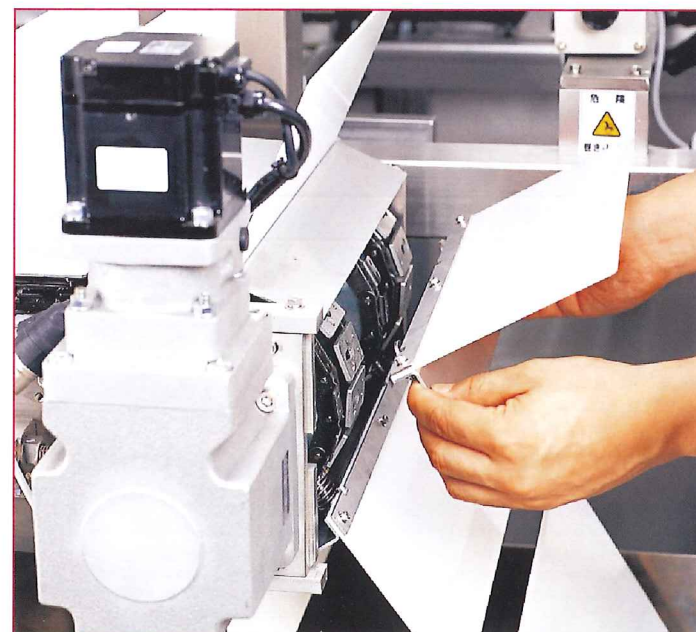
- Small, powerful **Servo Motors** offer
  - Unparalleled precision control in multi-axis positioning
  - Speed to 150 per minute; dual lane in-feed and to 120 per minute; single lane in-feed
- Expandable, modular type **Motion Controller**
  - Synchronous control of motion & sequence
  - Continuous and repeatable drive positioning
  - Exceptional accuracy, response and control range
  - Dynamic Brake Torque control provides for safe operation
  - RS232C, Ethernet®, DeviceNet® & Modem communication capable
- Motion & drive components are manufactured by the worlds leading manufacturer of servo motors and drives

## Product Change Over

Unique, **No-Tool's Required'** design allows for easy pack pattern changes by operators

Highly flexible system of **FLIGHTS** allow for a wide variety of product packing capabilities

Change-over time usually in twenty minutes or less !



## Interactive Color Touch Screen

- Clear 10.4" Graphic Display
- Automated **Product Set-up Wizard** for Operator ease
- 'Failsafe' set-up sequence
- Advanced **Error Messaging** and **Self Diagnosis** assists in quick recovery
- Real time monitoring capabilities
- Multiple screen levels – password protection
- The "look and feel" of the proven and tested, **Dataweigh®** operator interface
- Production monitoring and reporting capabilities

## Capabilities

### One Machine Design – Flexibility for Future Production

#### Product Types

- Large or Small Flexible Bags
- Stand-Up Pouches
- Flow Wrapped Product
- Large or Small Cartons
- Canisters, Trays, Bottles and More.

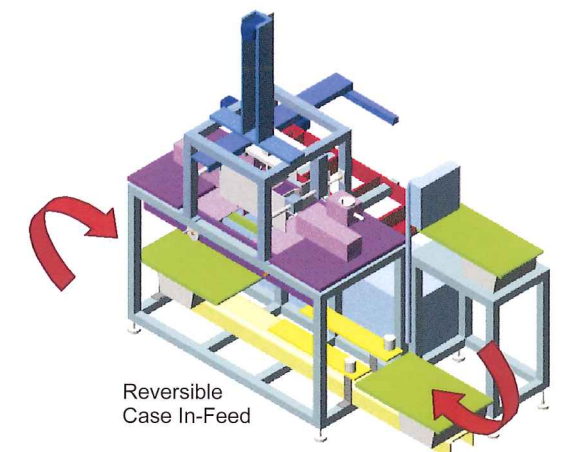
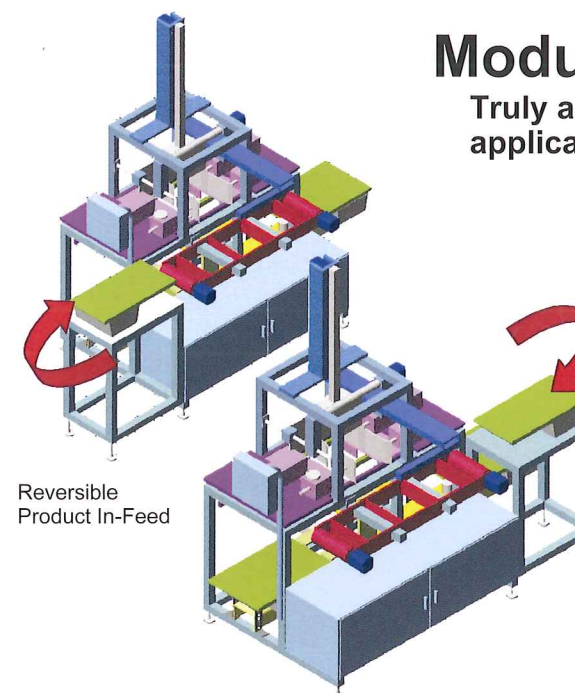
#### Case Types

- American style RSC's
- HSC's and Trays
- Display Cases and More – Corrugated or Not!

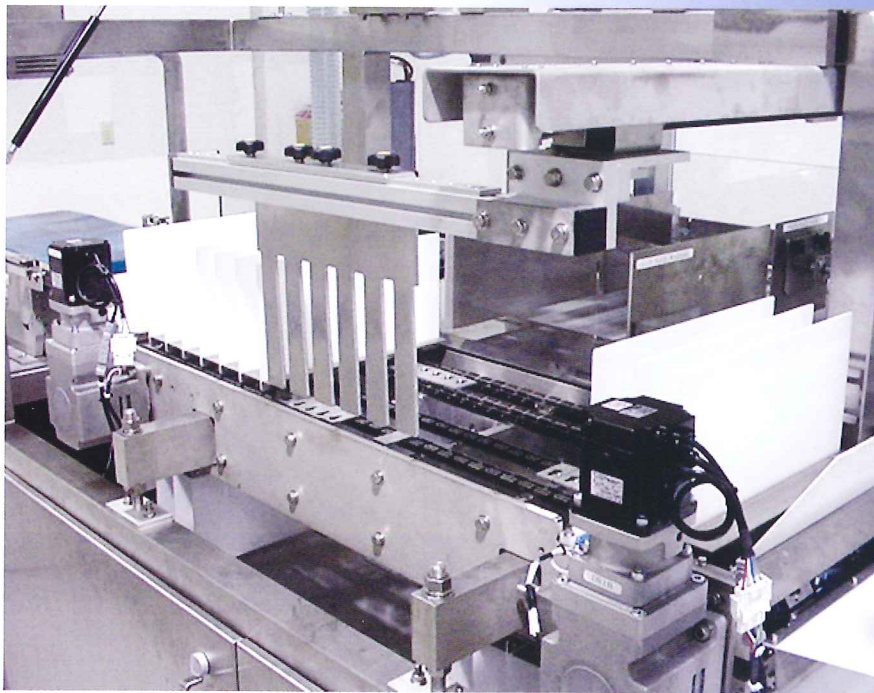
## Modular Design

Truly a flexible machine for realistically ever-changing applications and production demands

- Reversible Product In-feed
- Reversible Case In-feed
- Eliminates "Left Hand", "Right Hand" Decisions







## World Class Manufacturing

### MACHINE SPECIFICATIONS

Machine Model	FCP-550VA
Style	Top Loader
Product Insertion	Vertical or Horizontal Flexible Pillow, Block Bottom & Gusseted Bags, Stand-Up Pouches, Trays, Cups, Sleeved
Packing Capabilities	Trays, Cartons, & Bottles
Shipping Case Style	RSC, HSC, D/C, & Trays
Max Pack Speed	To 150 per minute; dual lane in-feed * To 120 per minute; single lane in-feed *
Pack Pattern	1 - 22 units per row 1 - 4 rows per layer 1 - 10 layers per case
Case Weight	< 8 kg **
Operator Presets	Up to 50 programs
Operational Environment	0 - 40 degrees C
Drives	Servo
Electrical	200V, 3 Phase, 50/60 Hz
Machine Weight	1,200 kg
CE Compliance	

\* Speeds may increase or decrease dependent upon product characteristics and case pack patterns.

\*\* Increased weight is available for discussion.

## True Flexibility in Machine Design For A Variety of Manufacturing Environments

### **FCP-550VA** Economical Design for the Dry Environment

From snacks in bags to pharmaceuticals in cartons – the possibilities are limitless

### **FCP-550MP IP-54 Design**, Moisture Proof Upgrade

*Refrigerated manufacturing environment ?*

Bags of produce or cartons from the freezer – designed for damp environments