

# 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.

## 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 !

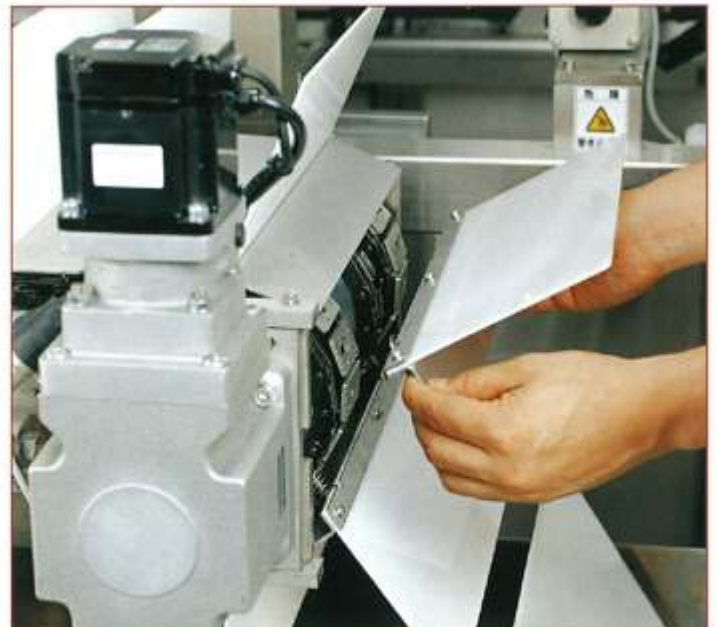
- Small, powerful **Servo Motors** offer
  - Unparalleled precision control in multi-axis positioning
  - Speed to 150 per minute; dual lane in-feed and to 120 per minute; single lane in-feed
- Expandable, modular type **Motion Controller**
  - Synchronous control of motion & sequence
  - Continuous 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.*

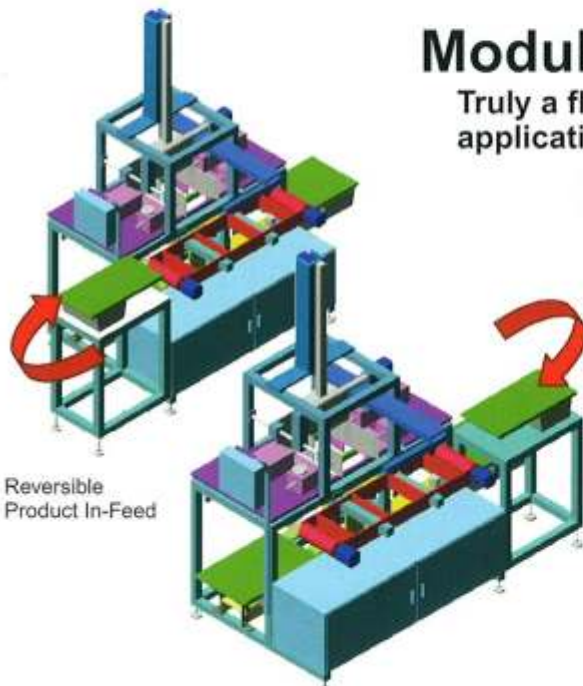
### Case Types

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

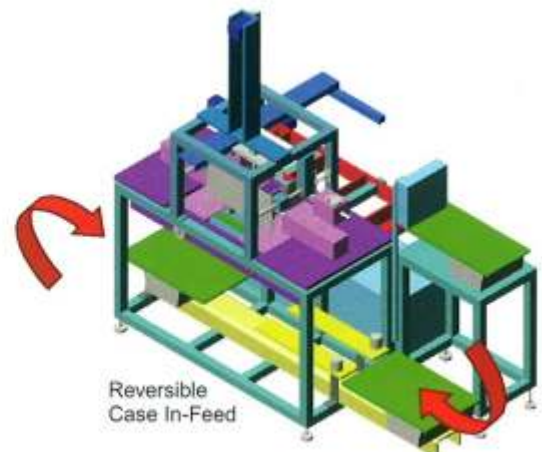
## Modular Design

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



Reversible Product In-Feed



Reversible Case In-Feed



## World Class Manufacturing

### MACHINE SPECIFICATIONS

Machine Model	FCP-550V
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	200-230V, 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-550V** 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

### **FCP-550WD** IP-65 Design, Wash Down Upgrade

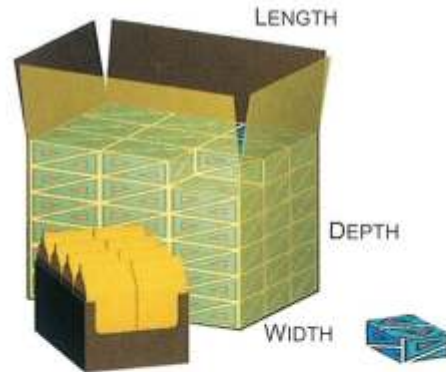
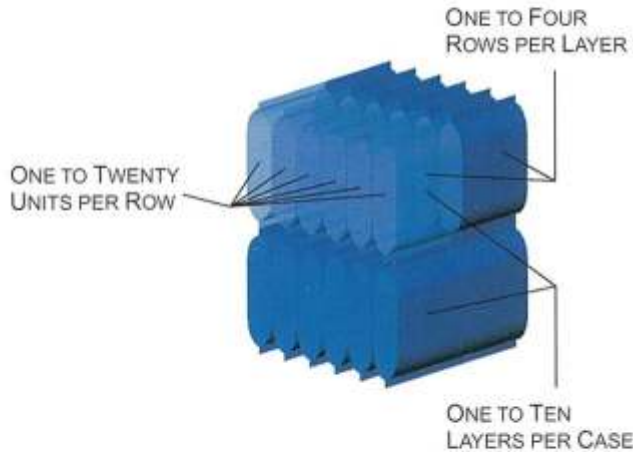
*Wash-down needed – Sanitation required ?*

Trays of chicken, bags of meat, pouches of juice – a versatile solution

# FLEXIBLE Case Packer

## FCP series

*It's Simple ..., We've Weighed the Advantages*



### Standard Product Size Range

Height/Length	Width	Thickness
50 - 355mm	x 50 - 305mm	x 13 - 97mm
2.0 - 14.0"	x 2.0 - 12.0"	x 0.5 - 3.8"

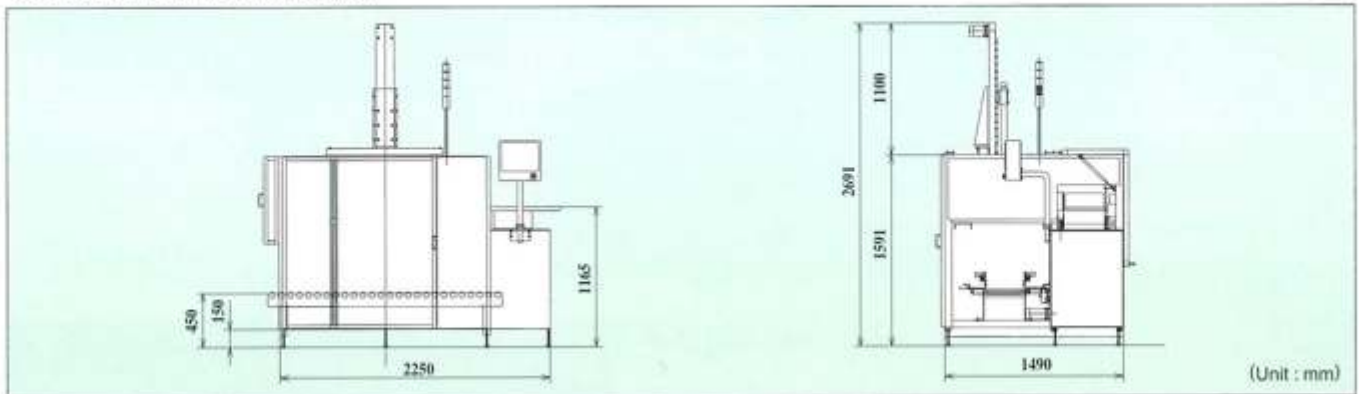
\* NOTE : HEIGHT Measurement is calculated as product STANDS within the case.

### Standard Shipping Case Range

Length	Width	Depth *
127 - 560mm	x 127 - 508mm	x 102 - 508mm
5.0 - 22.0"	x 5.0 - 20.0"	x 4.0 - 22.0"

\* NOTE : MAXIMUM DEPTH Dimension MUST Include Top Flap Extended in Upward Direction as Case Passes Through The FCP.

## MACHINE DIMENSIONS



This machine is covered by one or more patents worldwide.

All illustrations and specifications are subject to change without notice and drawing dimensions are not scale and are approximate.

### YAMATO SCALE GmbH

Hanns-Martin-Schleyer-Str. 13  
D-47877 Willich, Germany  
Telephone: (02154)9159-0  
Telefax: (02154)40626  
URL: <http://www.yamatoscale.com/>  
E-mail: [Sales@yamatoscale.com](mailto:Sales@yamatoscale.com)

### Yamato Scale Dataweigh [U.K.] Ltd.

5 Maple Park, Lowfields Avenue, Leeds  
West Yorkshire, LS12 6HH, England  
Telephone: (0113)271-7999  
Telefax: (0113)271-7012  
URL: <http://www.yamato.uk.com/>  
E-mail: [sales@yamato.uk.com](mailto:sales@yamato.uk.com)

### YAMATO SCALE FRANCE

30 Rue Denis PAPIN  
Z.A. des Montatons, FRANCE  
91240 Saint Michel sur Orge  
Téléphone: 01 69 72 15 30  
Télécopie: 01 69 72 15 34  
Messagerie: [ventes@yamatoscale.com](mailto:ventes@yamatoscale.com)

### YAMATO CORPORATION DATAWEIGH DIVISION

6306 W. Eastwood Court Mequon, WI 53092-0607  
Telephone: (262)236-0000  
Telefax: (262)236-0036  
URL: <http://www.yamatocorp.com/>  
E-mail: [dataweigh@yamatocorp.com](mailto:dataweigh@yamatocorp.com)



This bulletin was printed with soy ink on 100% recycled paper.

CAT. NO. B0106EN05A00 04101000 lk