



**GENERAL PACKER**  
The total planner of a packaging system

**HIGH-PERFORMANCE AUTOMATED BAG FILLING AND SEALING PACKAGING MACHINE**

# **GP-M3000**

## **SERIES**



**GP-M3000GY • UR • USR • UST**

# HIGH-PERFORMANCE AUTOMATED BAG FILLING AND SEALING PACKAGING MACHINE

## MODEL

GP-M3000GY

GP-M3000UR

GP-M3000USR

GP-M3000UST

# GP-M3000 SERIES

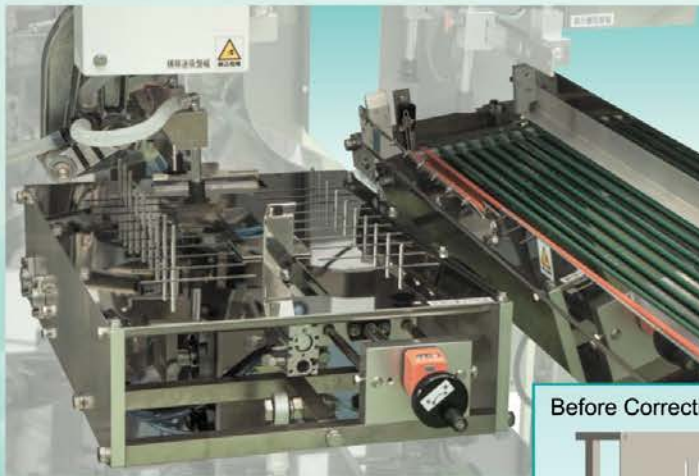
## ◉ <Mechatronic Bag Feeding>

Feature  
**1**

### All New "SPS" Bag Feeding Unit

\* SPS: Side-step Positioning System

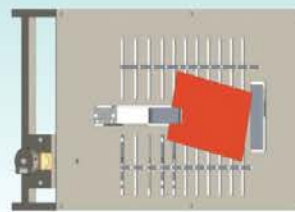
Operability Stability



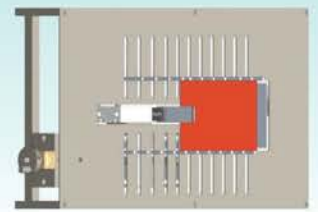
- Allows for easier, quick loading of bags into the conveyor.
- Precisely transfers bags from Conveyor to Bag Aligning Unit.
- Dramatically reduces bag transfer failures.

"SPS" Bag Aligning Unit controls & adjusts bag width, height and orientation.

Before Correction



After Correction



Feature  
**2**

### The Surface Deck Area is Completely Bolt-less



Operability

Cleaning

Safety

- 43% Reduction of Surface Deck Area Protrusions, compared with existing model.
- Significantly improved Hygienic design for cleaning.

Feature  
**3**

### A True (3) Minute Product Change-Over Design



Operability

Stability

Safety

- Decreased 10:1 change-over time when compared with existing model requiring 30 minutes.
- Designed to Automatically Adjust Bag Feeding, Bag Opening, Gripper Width, Vibration and Heat Sealing!
- Mechatronic Design Technology significantly reduces Operator adjustment time.

**Mechatronic Technology** Design Offers an Unparalleled Degree of Stability in Machine Movement.

**1**  
Mechatronic  
Bag  
Feeding

**2**  
Mechatronic  
Bag  
Tapping

**3**  
Mechatronic  
Sealing

Designed to a Higher Specification  
with **"Mechatronics"**

**Equipped 5-axis  
Servo**



Picture: **GP-M3000UST**

**GY**

The bag feed system is to automatically supply bags one by one from the bag feeder previously set with several hundreds of bags.

**UR**

Standard type corresponding to back sealed three-side-seal bag, four-side-seal bag, or four-side bag with fastener

**USR**

Correspond to standing pouch. Also applicable to back sealed three-side-seal bag, four-side-seal bag, or four-side-seal bag with fastener.

**UST**

Almighty highest-end model capable of handling standing pouches with fasteners.

### Specifications

Model	GP-M3000
Capacity	15~65Bag/min
Bag Size	Width 100~230mm Length 130~380mm
Filling Range	MAX 1000g
Machine Weight	Approximate 1500kg
Applicable Bag Form	Flat, 3-side seal Bag Flat, Fin/ Lap seal Bag Flat, 3-side seal Bag with Zipper Stand-up Bag Stand-up Bag with Zipper

\* Optional equipments corresponding to 100 mm or smaller bags are available.  
Optional equipments capable of handling the maximum weight of 2000 g are also available.

### Items to be supplied by the customer

Power supply — 3-phase 200V 8.2kVA  
Air supply — 0.5MPa 300NL/min

## ◉ <Mechatronic Bag Tapping>

Feature  
**4**

### Automated, Self-Adjusting Bag Tapping Mechanism



Operability

Stability

- Three tapping factors: Bottom tapping time, Frequency and Strength are adjusted automatically.
- Tapping Strength and Height can be optimally adjusted for each product.

## ◉ <Mechatronic Sealing>

Feature  
**5**

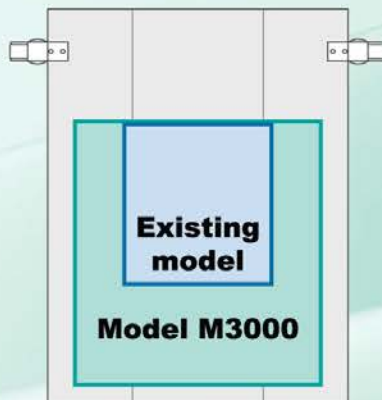
### Automated Sealing Time, Pressure and Temperature Control



Operability

Stability

- Installed Mechatronic Heat Sealing Unit.
- Application Registration System allows quick & easy bag changeover; adjustable sealing pressure, temperature and time settings.
- Correspond to Traceability



Feature  
**6**

### In-Line Bag IJP Code-Printing Capabilities Surface Area has Doubled

Operability

- Improved Surface Print Area has Doubled, compared with existing model.\*With Designated Printer
- Able to handle various types of Bag Design.

**Two Times Wider than Existing model**

New  
Equipment

### Hygienically designed Round Grippers



Safety

Operability

- Prevents product build-up on Grippers.
- Design Prevents Particulate Penetration.

New  
Equipment

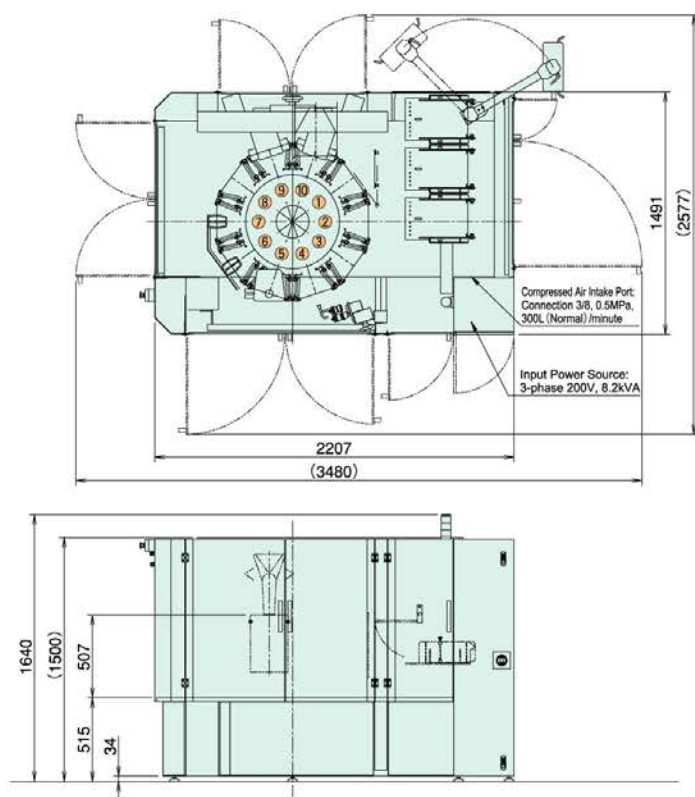
### Integrated Scale & Indicator



Operability

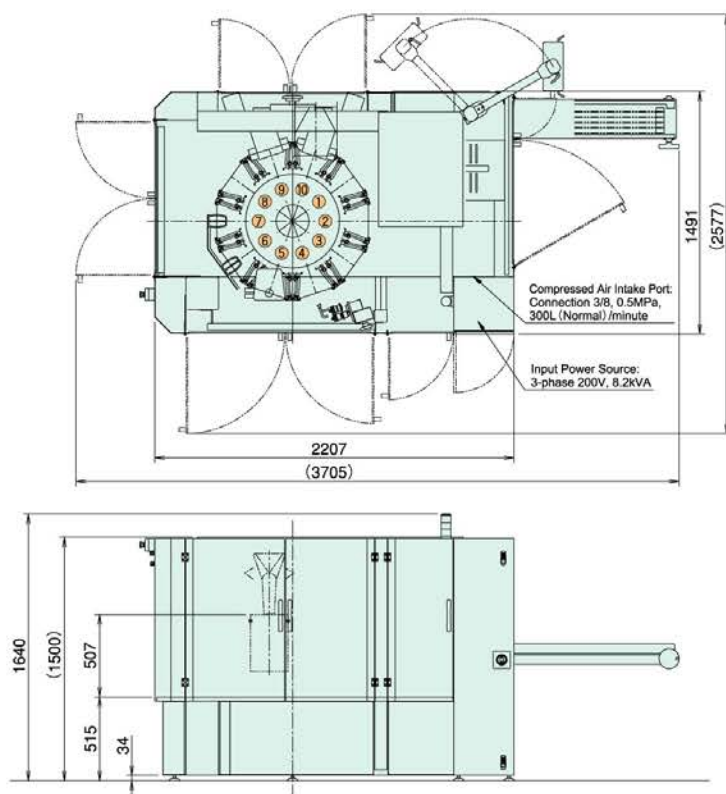
- Tool-less Adjustment enables Quick & Easy Bag Opening & Bag Bottom Opening Adjustment.

Model

**GP-M3000GY****Packaging process**

- ① Bag Supply
- ② Spare
- ③ Date Printing (Optional)
- ④ Bag Opening and Print Inspection (Optional)
- ⑤ Filling Materials and Bag BottomVibration
- ⑥ Bag BottomVibration
- ⑦ Bag BottomVibration
- ⑧ Spare
- ⑨ Air removal and Top Sealing
- ⑩ Cooling and Product discharge

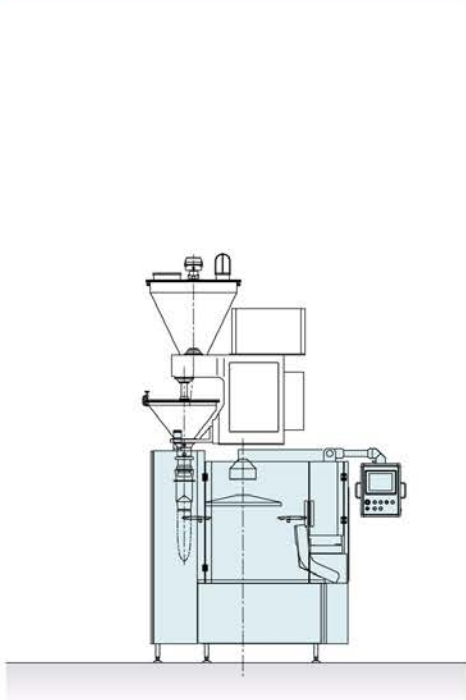
Model

**GP-M3000UST****Packaging process**

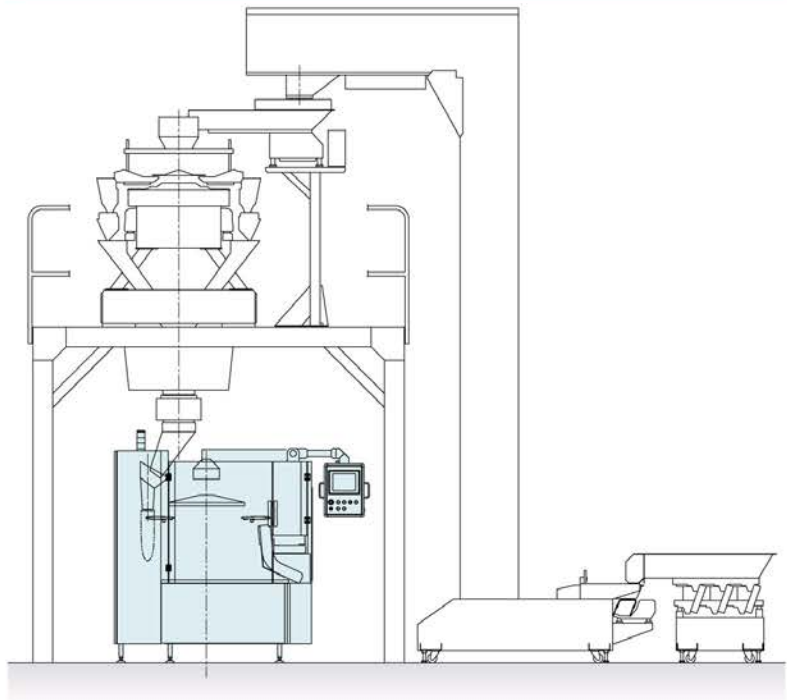
- ① Bag Supply
- ② Date Printing and Zipper Opening (Optional)
- ③ Print Inspection (Optional)
- ④ Bag Opening and Bag Bottom Swelling
- ⑤ Filling Materials and Bag BottomVibration
- ⑥ Bag BottomVibration
- ⑦ Bag BottomVibration
- ⑧ Spare
- ⑨ Air removal and Top Sealing
- ⑩ Cooling and Product discharge

## Example combination with this machine

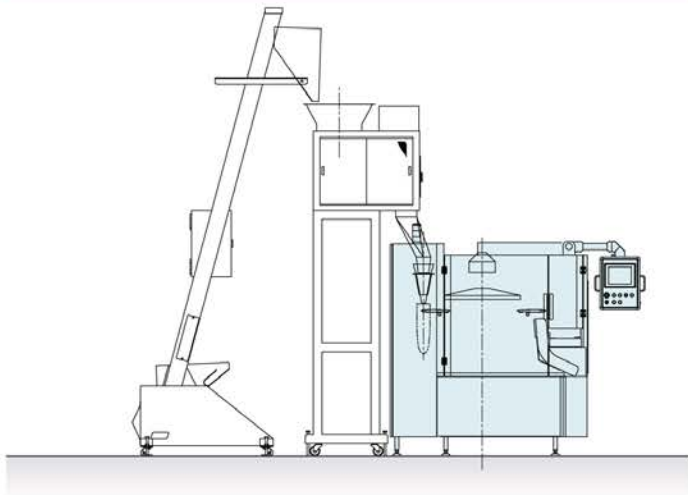
### Automatic auger type powder filling machine



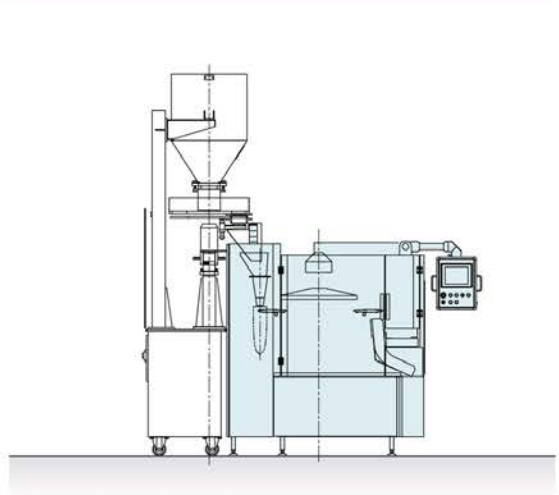
### Computer scale



### Magnetic feeder type weighing machine



### Disc type scale filling machine



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