

# PUTON® FPF-S4 / FPF-22S

## AllFeeder—Flexible Feeder For All

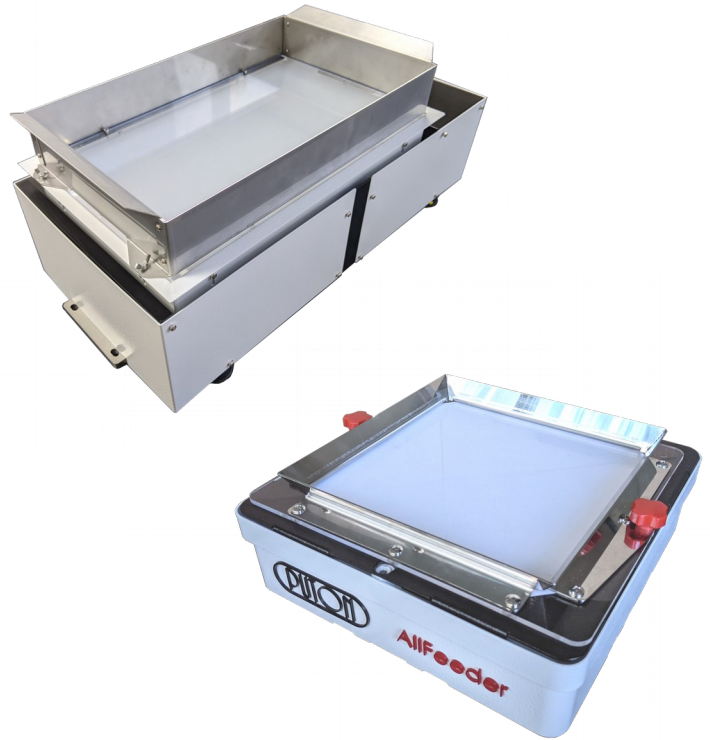
### Introduction

The FPF-S4, AllFeeder is bulk feeder and vision-based solution for the parts of all shapes and sizes from 5 to 30mm. And it is suitable for all kind of robots and application. Just by the vibration and automatic optical device, the robot is able to pick the right component to the right place.

The AllFeeder uses a universal feeding principle that ensures feeding of a wide range of parts. It with a vision system replaces several conventional custom-designed vibratory feeders. This eliminates expensive changeover times and frees up valuable production space. The AllFeeder consist of the advantage of innovative concept, multi-purpose machine, and greatly saves costs.

### Features

- Provides various vibration for choice:
  - a. FPF-S4 has a variety of vibration modes: front, back, left, right, concentration, diffusion and reversal. And the of concentration mode are: Vertical, horizontal and full concentration.
  - b. FPF-22S is a dedicated diffusion machine, especially suitable for small quantities and various precision parts and exquisite indestructible materials.
- Provide an easy to adjust program. The software program is able to control the vibration of the voice coil motor easily. Moreover, connect to the other device by RS232.
- Able to combine with other front and back station on the production line quickly. Such as AOI and robot.



### Specifications

Model	FPF-S4	FPF-22S
Working area	300 x 200 mm	200 x 200 mm
Loadable parts	10 kg	10 kg
Weight	25 kg	7.2 kg
Power supply	AC 110/220, 50/60 Hz	AC 110/220, 50/60 Hz
Vibration source	Voice coil motor	Voice coil motor
Vibration frequency	1 ~ 99 Hz	1 ~ 99 Hz
Vibration amplitude	60 ~ 100%	60 ~ 100%
Vibration mode	Front, back, left, right, Concentrate, spread, turn around	spread, turn around
Backlight brightness	0 ~ 100%	0 ~ 100%

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# PUTON

## Applications

- Semiconductor
- Passive component
- Test probe
- Computer and telecommunications
- Automotive
- Electrical engineering
- Jewelry and watches
- Toiletries and cosmetics
- Dental and medical technology

## Options

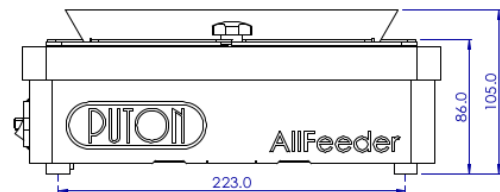
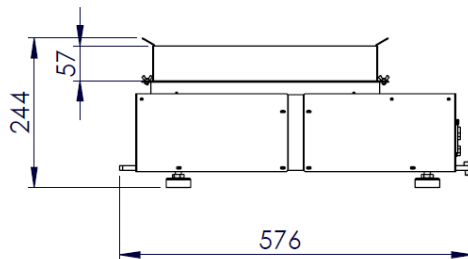
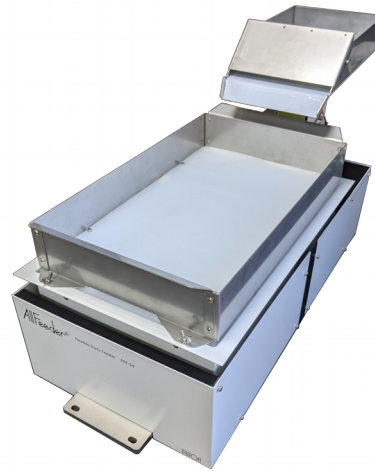
- Hopper
- Robot
- Keyence AOI

## Application Examples

- Aligning
- Connector pins
- Test Probe
- Crystal oscillator
- Screw + Nut latch
- Parts for clocks
- Ceramic packages
- Camera parts
- Transistors
- Ceramic chips
- Capacitors
- O-rings
- Washer
- Caps
- Cores
- Thermo elements
- Raw metal
- Bushing
- Oil seal
- Nozzle
- Special shaped plastic

## Customization

- Flexible working window: According to different types and characteristics of parts, different AllFeeder working window can be customized, such as smooth surfaces, rough surfaces, holes or ditches, etc.
- Various types of hopper: Able to customize hopper for reducing the replenishment cycle of the operator.
- Feeding process: The flexible feeding process can be adjusted to meet different your needs to achieve the most efficient result.



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