

Portable compact device for feeding powder

# Mini screw feeder



For research and development  
Space-saving type on the desk

- Quantitative supply for small amount
- Easy operation, just turn the dial to adjust the supply amount
- All-in-one structure with integrated control panel



Compatible with powder with various characteristics

- Prevent powder bridging problem by using agitators and vibrators
- Various types of screw with different abilities
- Four models for the adjustment range of supply amount



One-touch disassembly without tools

- The time it takes to disassemble is only 30seconds
- Greatly improvement for disassembly and clean efficiency
- The structure specialized for easy usability

## Solving such problems

Big device in current  
It's difficult to supply  
small amount of powder

Narrow installation site  
Large equipment cannot  
be installed

Handle various powders  
with various  
characteristics  
in various conditions

# Screw types



Due to the characteristics of research and development, the types of powder or raw materials cover many different topics

In addition to standard cored screws, there are various types of screws such as coreless, springs, and machined, so it is able to handle a wide range of raw materials, from pellets to various powders by changing the screws.

## Preventative measures against powder bridging

(Optional function)

### What is powder bridging?

A phenomenon that powder does not flow smoothly in the hopper and becomes clogged. It often occurs in powders with poor fluidity.



### Agitator

Stir powders slowly in the hopper, to make effect of loosening and not clumping them

One-touch installation of the dedicated hopper without tools.

(\* 100V power supply is required)



### Air vibrator

Effective for raw materials that do not have high bridging properties

It works with good effect for flowing powders by vibrating the hopper slightly.

The vibration intensity is changeable by adjusting the air pressure.

(Air source (0.5Mpa) is required)

# Installation in other equipments (Extruders and crushers)

Standard model



Supply powders from a low position

Installation space is not wide



Low outlet model

Low frame and horizontal model

**The connection with the equipment of supply destination is able to be customized by components(ferrule, flange, etc.)**

# Device specification

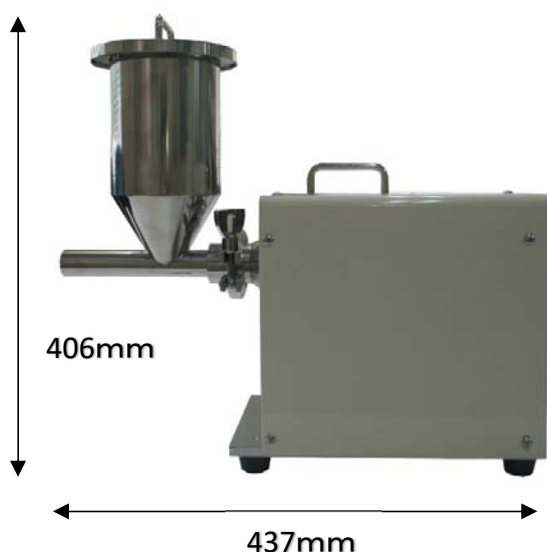
## Easy operation all-in-one structure

### <Operational method>



- ① Turn on the powder switch
- ② Adjust the rotation speed of screw with ↑ and ↓ button
- ③ Set the operation time with a timer
- ④ Push the drive(on) button
- ⑤ Automatic stop after running for a operation tin (※ Push stop button in the case of stopping halfw

It adjusts the supply amount of powders by changing the rotation speed of screw and operation time.



Control method	Cacacity control by rotation speed of screw Speed:Changeable with speed controller Operating time:Timer cotrol
Feeder diameter	φ 25.4
Screw type	Standard/Coreless/Double/Spring
Hopper	Maximum 3L or less
Supply capacity	(Standard) 600g-6kg / hour (High speed H) 1200-12Kg / hour (Low speed L) 300-3Kg / hour (Ultra low speed SL) 60-600g / hour  ※In case of using pellet (Bulk density 0.7)
Timer	Digital timer (up to 99 minutes 59 seconds)
Voltage	AC100V single phase (50 / 60Hz)
Total weight	25Kg
External dimensions	(W)150 × (D)437 × (H)406mm



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