



Dimensions	1050x65x400mm
Weight	10Kg
Suitable Materials	
Material Type	SOP, MOS tube, heat sink
Size	3x3x3mm-25x25x25mm
Tube Wall Thickness	PVC material tube
Tube Length	200-650mm
Tube Wall Thickness	>0.6mm
Structural Parts	
Feeding Method	Tube feeding, multiple tubes stacked
Feeding Power	Motor driven belt feeding
Material Positioning Method	Fiber sensing + software compensation
Fixing Method	Positioning keys + clamping blocks, supporting other fixing structures
Feeding Tube	Avoid bit by cylinder, bottom with recovery box
Electrical Parts	
Operating Voltage	24V
Average Current/Peak Current	4A/6A
Operating Pressure	0.4-0.6Mpa

Operation Method	Key Switch
Host Computer Connection	8-core ø16mm aviation plug
Communication Method	Support IO communication or no communication self control
Software Control	Based on ARM (STC32)
Drive Method	DC motor
Maximum Motor Speed	300 rev / min
Feeding Parts	
Feeding Speed	0.8S
Feeding Channel	Single channel feeding (customizable dual channel feeding)
Speed Gear	Infinitely variable
Feeding Accuracy	±0.5mm
Test Record	
Feeding test	Achieve 1000 consecutive feedings without abnormality
Aging test	Continuous operation for 48 hours without abnormality
Spring Life	4 million times bending life

Function Features:

1. Load various tube-mounted materials of SOP chips onto various chip mounters (or modify similar equipment of chip mounters) to achieve automatic chip insertion and save labor and improve the utilization rate of chip mounters.
2. Install the tube-mounted materials on the feeder and supply materials to various non-standard equipment to save the non-standard design cycle and improve the stability and utilization rate of non-standard equipment.
3. The tube feeding machine cooperates with the robot arm to realize automated production instead of manual operation.

1. Automated SOP Tube Feeding System For Chip Mounting
2. Flexible SOP Chip Feeder Improves Productivity And Quality
3. Cost-Effective SOP Tube Feeder Frees Up Workforce
4. Stable SOP Chip Feeder Ensures Non-stop Feeding 24 Hours A Day
5. SOP Tube Feeder Ready For Industry 4.0 And Smart Factory

Advantages:

1. High automation. It can automatically feed SOP chips to reduce manual labor and improve work efficiency.
2. High flexibility. It is suitable for various chip mounters and non-standard equipment. It helps customers save design and installation time.
3. High stability. Continuous and stable feeding can be achieved through software control and monitoring. It helps avoid material interruption and ensure production stability.
4. Easy operation. Simple buttons or interface for operators. Easy to learn and use.

Benefits:

1. Lower manufacturing cost. Reduced dependence on skilled workers and less waste of materials.
2. Increased productivity. Continuous feeding improves the utilization rate of equipment and overall productivity.
3. Improved quality. Automated and precision feeding reduces human errors and ensures consistency in production quality.
4. Liberated workforce. Workers can focus on more value-added operations and their well-being.
5. Flexible production. It can be quickly installed and support small-batch production of various non-standard equipment. Meet customer needs for diversified products.

The automated SOP tube feeding system is used to continuously supply SOP chips for chip mounters and various non-standard equipment. It helps manufacturers significantly reduce labor costs, improve production efficiency and ensure product quality stability. This flexible SOP chip feeder is easy to install and suitable for small-batch production of different products. It can smoothly feed into the automated production lines as well as facilitate the mechanization and intelligence of non-standard equipment. With simple buttons or interface, the tube feeder is extremely easy to operate with short learning time. The SOP tube feeder achieves a stable feeding speed and high accuracy through software control and monitoring. It helps avoid material interruption and enables 24 hours of uninterrupted operation. The multiple tubes can also realize non-stop feeding and automatic switching between tubes. Manufacturers can benefit from lower manufacturing costs from reduced manual work and material waste. Staff can focus on more value-added operations, and the improved equipment utilization rate leads to increased productivity and competitiveness. Consistent precision feeding also contributes to improved quality control and customer satisfaction. This reliable and intelligent feeding solution meets the needs of the Industry 4.0 and smart factory. With all its advantages in automation, flexibility, stability and cost-effectiveness, the SOP tube feeder proves to be the best choice for feeding SOP chips on production lines. It helps companies build a smart, digital and green production system. Our feeding systems have served in electronic factories around the world and will continue providing intelligent solutions as a leading tube feeder manufacturer.