



GLUDITEC
Glue & Dispensing Technology

FAD-375P

*High precision Two-part Meter mixing
& Dispensing System*



The GLUDITEC FAD-375P is engineered to deliver unparalleled precision in the metering and mixing of two-part polyurethane foam components. With advanced technology, this system ensures exact ratios of polyol and isocyanate, guaranteeing consistent and high-quality formulations for gasket adhesive applications.

◆ **3D Teaching Function**

Accurate dispensing of 3D products can be achieved by moving the machine head to locate parameters such as length, width, height, and rotation. There is no need to draw pictures into the system, making the dispensing operation simple and user-friendly.

◆ **Automatic alarm function**

By monitoring sensors, an automatic alarm will sound when there is a shortage of materials, no air, or a collision, etc., to ensure the safe use of the machine.

◆ **Matrix dispensing function**

Through the precise positioning of the system, multiple products can be dispensed at the same time, greatly improving production efficiency.

◆ **Data memory function**

The historical dispensing data can be stored as a file package, and the next time the data packet is accessed, dispensing can reduce the loss caused by personal flow.



◆ **Remote maintenance function**

The equipment's operating status and failure can be monitored remotely through wifi, greatly improving its maintenance efficiency, and parameters can also be transmitted remotely through wifi, reducing the difficulty of operating complex three-dimensional products.

◆ **Automatic cleaning function**

Through high-pressure water cleaning, high-pressure air dries the residual raw materials in the pipeline and dispenser machine head, so as to prevent blockage and glue leaks.

◆ **Super long standby function**

Adapt to holidays, production adjustments and other time periods when the machine is not used for a long time, and it can still be used immediately after a long shutdown.

◆ **Automatic temperature control**

The temperature and stirring are automatically adjusted by the system, and there is no need for air conditioners, which improves production efficiency and eliminates lockage of pipes and glue heads caused by temperature control issues.

◆ **Automatic statistics function**

Record the glue length, time and dosage data in real time, which is convenient for cost accounting and production efficiency accounting.the loss caused by personal flow.

MAIN TECHNICAL PARAMETER

Machine size	2000mm*1400mm*1800mm
Dispensing stroke (X * Y-Z)	800mm*600mm*200mm
Dispensing width	1mm-12mm
Dispensing accuracy	0.1mm
Running speed	0-30 m/min
Glue dispensing amount	0.2 ~ 1.5g/s
Feeding precision	0.1g/s
Repeatability	±0.01mm
Power	3 ~ 4 kW
Operating pressure	0 ~ 2 MPa
Mixing head speed	0 ~ 3000 Rad/min
Mixing ratio	1:10 ~ 10:1 adjustable
Operation mode	Handle, computer two kinds
Storage tank capacity	A barrel 40L, B barrel 40L



MAIN CONFIGURATION

Control System	Micro intelligent controls system
Master hardware	Intelligent control motion control card + 17-inch industrial control computer (1 set)
Manual Hardware	With display teaching handle (1 set)
Servo motor and drive	X-Y-Z three-axis, total (6sets)
Gear reducer	5 sets
Linear guide	6pcs
Rack	5 pcs
A material metering pump	2 sets
B material metering pump	2 sets
Relay	1 set
Electrical components	1 set
Five position solenoid valve	1 set
Mixing stirrer	1 set
Stainless steel barrel	304 stainless steel barrels (2 sets)
Cleaning water pump	1 unit

GLT SERIES INTELLIGENT CONTROL SYSTEM

◆ **Remote maintenance function**

Making it easy and fast to operate, so that the motion system and dispensing system can be seamlessly combined.

◆ **High-performance control system**

Various size/shapes, Drawings and Technical parameters, can be stored in the machine computer, no limit to storage capacity.

◆ **Intelligent operation simulation**

Eliminates the processing errors caused by human size problems during the production process

◆ **2D products do not require programming**

Simply enter the size on the interface. 3D can be guided by a U disk, and multi-dimensional difference compensation can also be achieved.





GEAR REDUCER

Gear Reducer	Quantity (pcs)	Purpose
Gear Reducer 01	2	For X, Y shaft
Gear Reducer 02	1	For Z axis
Gear Reducer 03	2	A, B Liquid metering pump

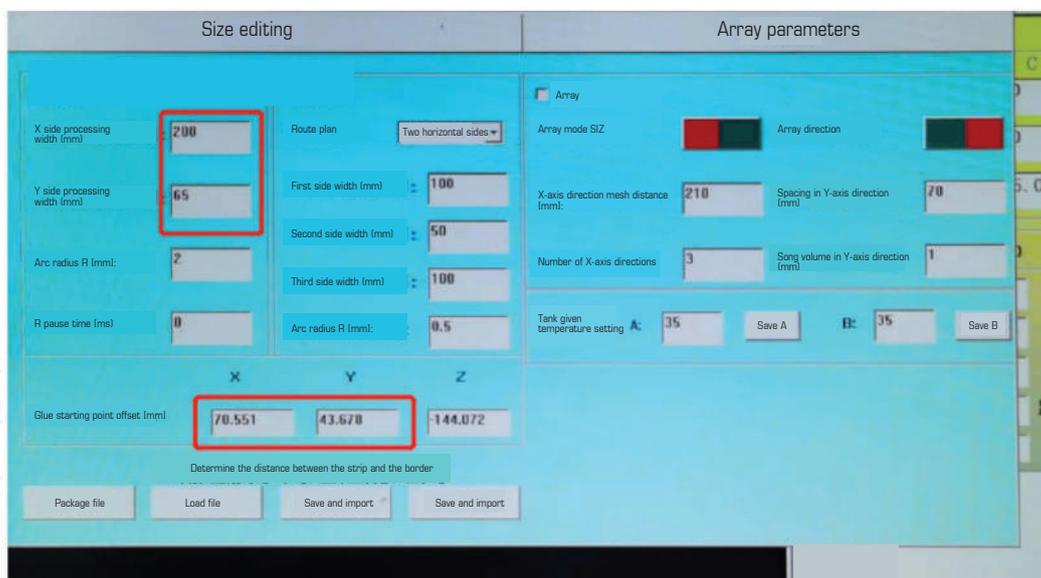
METER MIXING PUMP

Ensure accurate feeding of the feeding system High-precision gear pump sleeve (one set each of A and B)

Pump	Size (cm ³ /rev)	Configuration	Remark
Pump A	3	Side in side out	A feed valve
Pump B	0.6	Side in side out	B feed valve

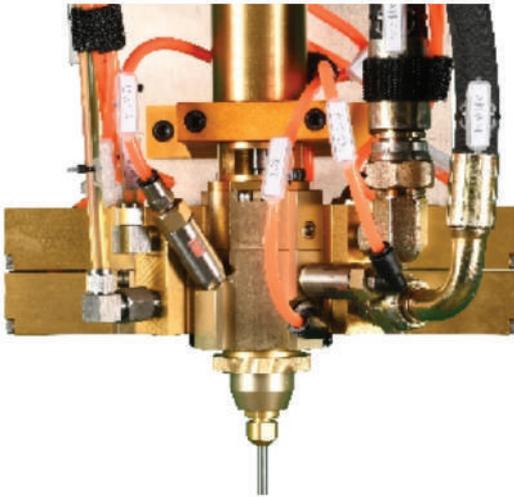


OPERATING SYSTEM INSTRUCTIONS





MIXING STIRRER



◆ Smooth corners and joints

The mixing chamber operates using mechanical combination and pneumatic closure, and closes automatically after receiving a signal to ensure smooth corners and joints without accumulation and breakpoints;

◆ Wide range glue strip

The processing glue strip is 5mm-40mm wide, which is compatible with polyurethane raw materials from various brands at home and abroad.

◆ Easy Maintain, Repair & Clean

Combined design, easy to disassemble, repair, and maintain, and can easily be disassembled and cleaned in case of blockage.

◆ High-precision sensors

Use high-precision sensors to monitor the pressure of the feeding mechanism and display and monitor in real-time during operation of the equipment.

◆ Alarming Function

The air pressure coordination and alarm device in the overall mixing chamber can reduce pressure instability caused by environmental factors.

◆ Intelligent Cleaning System

The mixing chamber is cleaned with high-pressure intelligent water, and the unique 4-hole multi-directional turbocharged flushing without dead ends ensures that the mixing chamber is completely cleaned without residue.

STORAGE TANK

◆ 316 Stainless steel 40L Tank

Two sets of 316 stainless steel 40L double-layer pressure tanks are specifically designed for customer use scenarios. They are used up in about 1 month to prevent storage accidents

◆ Intelligent low-level material alarm control

to ensure that the equipment has enough raw materials in production.

◆ Automatic stirring function

of the A material tank ensures that the raw materials are not layered in a state of long-term non-use.

◆ Double-tank intelligent heating control device

ensures that the raw materials can be used normally under (-20 ~ 55°C) without installing air conditioners;

◆ Gas replenishment Function

makes the chemical structure of material A (polyurethane) more stable.

