

## Vacuum Liquid Filler

### Product component

Name	Item	Count	Notes
① Vacuum Pump	Vacuum Pump	1unit	The air tube connector on the vacuum pump is already installed, and Teflon tape is reserved for backup.
	Teflon Tape	1piece	
	Connection Tube	1piece	
② Microneedle Accessories	Injection Tank	1box	/
	Connecting Valves(3 pieces)	1box	
	Injection Plugs(10 pieces)	1box	
	Injection Needles(5 pieces)	1box	

### Instructions

- Assembly of the Injection Tank: Install 2 injection plugs and 2 connection valves on the top of the Injection Tank respectively.
- Connection between the Injection Tank and the vacuum pump: Connect one end of the connection tube to the vacuum pump and the other end to one connection valve. Please contact the regional sales representative to obtain the installation video.

### Tips

- The vacuum pump motor is eligible for free replacement within one year if it burns



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out due to normal use (excluding non-human-induced damage).

- No liability is assumed for damage caused by human factors (e.g., improper use). For quality issues, product maintenance during the warranty period is free of charge, but the customer shall bear the round-trip shipping fees. If the product is damaged due to improper use, reasonable maintenance fees and material costs will be charged.
- Returns or exchanges are allowed if the product and its outer packaging are undamaged and the return does not affect secondary sales.
- During the warranty period, free warranty is provided for damage caused by product quality issues. Other vulnerable parts such as cylinder liners and pistons are under warranty for 3 months (excluding force majeure). No warranty is assumed for damage caused by human factors, environmental factors, or natural disasters, but chargeable maintenance is available.

## Product introduction

Ultimate Vacuum Pressure	-0.085MPa
Power	20W
Net Weight	1.8kg
Connection Tube	Outer diameter 8mm

## General Operation Videos

Scan the QR code for the microneedle preparation guide.



Integrated Microneedle with Tip Substrate



Split-type Microneedle with Tip Substrate



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### Mold Preheating Operation (suitable for thermosensitive materials)



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