

Refrigerator Cabinet Vacuum Foaming Fixture

This vacuum foaming fixture enhances foam quality within refrigerator cabinets, improving insulation performance for energy savings. It features full automatic adjustment in parallel and a quick changeover system.



Product Overview

Industrial Vacuum Foaming Solution

This advanced refrigerator cabinet vacuum foaming fixture is designed for high-capacity production lines, utilizing a negative pressure foaming process to ensure optimal insulation. Engineered for fluorine-free production, the system integrates multiple foaming stations, automated manipulators, and a comprehensive hydraulic and pneumatic control suite. It provides precise, repeatable results for modern refrigerator manufacturing, featuring advanced water heating and ventilation systems for consistent quality.

Process Capabilities

Foaming Technology	Negative Pressure Foaming, Fluorine-free Production, Automated Pouring
Transporting Movement	Two-way two couplets (X-Y circle movement)

System Components

Primary Modules

- Multi-station foaming fixtures
- PU material pouring manipulators
- Two-way X-Y transporting manipulators
- Cabinet centering workbench
- Preheating oven and conveyors
- Hydraulic and vacuum pipeline system
- Integrated electric control system