

# Rapid-Deployment Cleanroom

A Rapid-Deployment Cleanroom is a simplified controlled environment constructed from modular components for fast setup. Its core function is to maintain the required high level of cleanliness through an integrated HEPA-filtered air supply system. It is primarily suited for scenarios requiring quick deployment or temporary modification, such as temporary vaccine production lines, emergency medical supply manufacturing, or the clean conversion of existing factory spaces.



## Product Features

- Standardized structural frames, wall panels, ceiling, and floor modules for quick on-site installation
- Ready to incorporate FFU, lighting, sockets, and automatic control systems for turnkey delivery
- Configurable for ISO Class 5 to Class 9 cleanroom standards
- Project Efficiency reduces construction and validation timelines by 30-50%
- Modules support reuse, expansion, and facility relocation

## Standard Configuration

- Structural System: Modular aluminum alloy framework with sandwich panels
- Air Management System: FFU air supply units, HEPA filter outlets, and return air grilles
- Electrical & Lighting: ceiling-mounted lights and pre-wired sockets
- Door & Window Systems: Cleanroom steel doors and tempered glass windows
- Flooring System: Epoxy self-smoothing floor or PVC flooring

## Optional Configuration

- Structural System: Powder-coated square steel tubes, acrylic panels, etc.
- Lighting: Teardrop cleanroom lights
- Control System: FFU group control with touchscreen interface
- Low-Voltage Systems: Access control, surveillance, interlock, and fire alarm systems
- Flooring: Raised floor

## Product Highlights

- Factory Prefabrication & Rapid On-Site Assembly
- Adaptable to Diverse Cleanroom Requirements
- High Standardization Facilitates Global Deployment, Reducing Overseas Installation Costs

## Standard Models & Technical Parameters

Model	External Dimensions (WxDxH) mm	Cleanliness Level	Light Intensity (lux)	FFU Size(LxWxH) mm
BXFCR-036030	3000x3000x3000	ISO 14644-1 Class 5/Class 6/Class 7	300-500	1175x575x330
BXFCR-060030	6000x3000x3000			
BXFCR-060042	6000x4200x3000			
BXFCR-084042	8400x4200x3000			