

OFFICIAL B2B ENGINEERING SPECIFICATION DOSSIER · BESTCLEAN-DOC-2026-03

STATIC & DYNAMIC SELF-PURIFYING LAMINAR CLEANROOM PASS BOXES

Models BJ-500A 800A (Static) · BJ-500AB 800AB (Dynamic H14 Laminar) · Floor-Cart Pass-Throughs

Executive Engineering Summary: Material transfer between unclassified corridors and ISO Class 5–7 / EU GMP Grade B/C rooms requires strict pressure containment and surface decontamination. BESTCLEAN manufactures static mechanical/electronic interlocked pass boxes (A-Series) and dynamic self-purifying vertical laminar flow pass boxes (AB-Series) with H14 HEPA filtration, PAO/DOP aerosol challenge ports, and Dwyer Magnehelic 0–500 Pa differential pressure gauges.

1. Quantitative Engineering, Compliance & FOB Xiamen Reference Matrix

Series & Model Code	Internal Chamber (W×D×H mm)	Airflow & Filtration Architecture	Chamber Material, Interlock & UV	Ref. FOB Xiamen (USD)
BJ-500A (Static Standard)	500 × 500 × 500 mm (OD: 680×580×680)	Static containment (between equal ISO classes)	1.2mm SUS304 coved interior · Mech/Elec Interlock + 8W UV	\$240 – \$330 / unit
BJ-600A (Static Standard)	600 × 600 × 600 mm (OD: 780×680×780)	Static containment · Double-layer tempered glass	1.2–1.5mm SUS304 interior · Flush silicone gasket + 10W UV	\$290 – \$410 / unit
BJ-750A / BJ-800A (Static Large)	750×750×750 or 800×800×800 mm	Static heavy carton transfer · Optional roller bed	1.5mm SUS304 · Electromagnetic interlock + emergency release	\$390 – \$520 / unit
BJ-500AB (Dynamic Laminar)	500 × 500 × 500 mm (OD: 680×620×1050)	H14 HEPA (99.995%@0.3um) · 0.36–0.54 m/s vertical laminar	SUS304 + PAO/DOP test port + Magnehelic 0–500 Pa + UV	\$680 – \$890 / unit
BJ-600AB / 800AB (Dynamic GMP)	600×600×600 or 800×800×800 mm	H14 HEPA + low-noise centrifugal blower (< 55 dB)	Full SUS304 GMP Grade B/C transfer · 延时吹淋互锁 PLC	\$820 – \$1,280 / unit

2. BESTCLEAN / BERKING Factory Verification & Buyer Protection Guarantees

1. Direct Factory Manufacturing

Longhai Berking Purification Equipment Co., Ltd. (Zhangzhou, Fujian · 45 min to Xiamen Port). In-house fiber laser CNC, press brakes, and mini-pleat HEPA lines cut 15-25% middleman markups.

2. Verified FAT & Certificates

ISO 14644-1:2015, ISO 9001:2015, CE Machinery/LVD, US EPA Est. No. 102553-CHN-1, EN 1822 H13/H14, EN 10204 3.1 SUS304/316L MTC. Pre-shipment SGS/BV/TUV witness testing welcomed.

3. Global & SE Asia Delivery

3 delivery modes: (A) Modular Material & Equipment Kit FOB/CIF; (B) Kit + Chief Engineer Supervision; (C) Turnkey EPC across Vietnam, Thailand, Indonesia, Malaysia & Philippines.

Fast-Track Stage-1 Engineering Scope, CAD Layout & Itemized BOQ (2-Hour Response SLA)

Send your floor plan, room dimensions, target ISO class, or equipment list to **Alex Gao** at **alex@bestcleanmfg.com** or WhatsApp **+86 139 2512 2895** (Web: **www.bestcleanmfg.com/contact**). We return a preliminary CAD zoning layout, airflow/ozone sizing calculation, and itemized factory-direct FOB/CIF quotation within 24 hours.