

Product Description

BIOTECH Clean Cabins (BCC) are prefabricated laboratories in a compact, modular design.

They provide a Class A working environment (according to GMP guidelines). The main focus of application is product protection against contamination (as biological material etc.) Changing areas are equipped

with airlock function, material transfer lock, optional gas supply and autonomous air supply are integral features. The BCC's are designed to operate as "stand-alone cabins" or as part of a laboratory or an entire production facility. Specifically for biotechnology applications, the BCC can be delivered with extra equipment such as microscope, incubator, etc.

Application Areas

- Biotechnology (2000/54/EG) - S1, S2 (with restrictions)
- Laboratories for biogenetic engineering (GenTSV [German Gene Technology Safety Ordinance]) - S1, S2 (with restrictions)
- Medical and microbiological laboratories (DIN EN 12128, DIN 58956) - L1, L2 (with restrictions)

Fields of Technology

- Tissue Engineering Facility
- Biotechnological active ingredients production
- Stem Cell Research
- Sterile Production

System Solutions

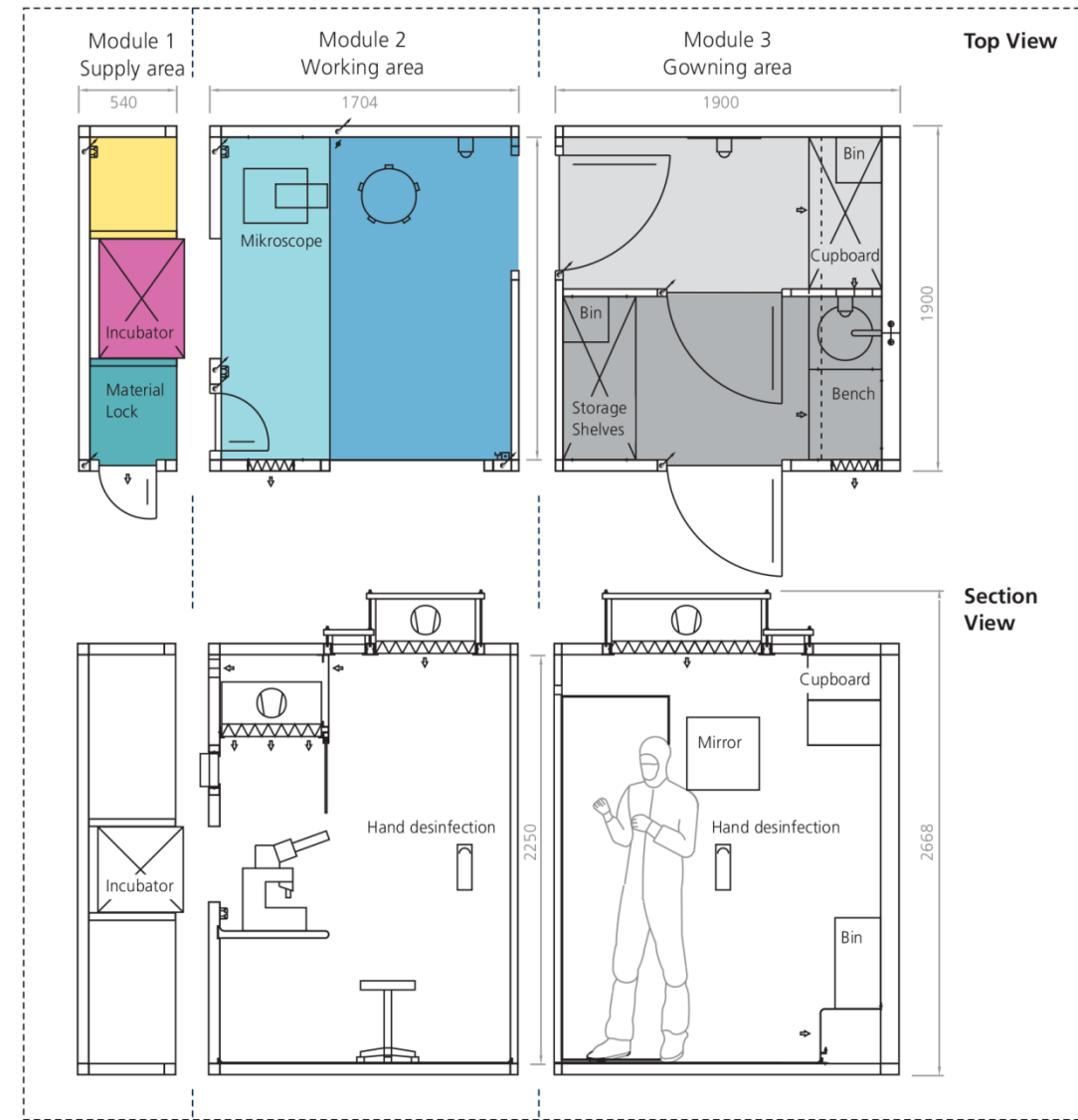
- according to GMP requirements
- fast integrable
- individually adaptable
- expandable
- almost 100% prefabricated modules
- Purchase - Rental - Leasing

Technical Data

Content	Value	Unit	Remarks
Number of modules per BCC	3	piece	
Max. module measurements L/W/H	1.900 / 1.900 / 2.700	mm	
Measurement per BCC L/W/H	~ 4.500 / 1.900 / 2.700	mm	
Partition material	Steel coated / (SS)		Standard: RAL 9010
Partition insulation material	PUR		
Floor material	PVC		
Equipment	Acc. Customer requirements		e.g. incubator
Gas supply	option		
Air cooling	option		
Monitoring	Velocity (LF), pressure, temp., access-code, alarm, BCC-status		Particle (option)
Fault signal to Building Automation	standard		
Gateway to Building Automation	possible		
Power Supply	1/N/PE 50/60Hz AC 230V		



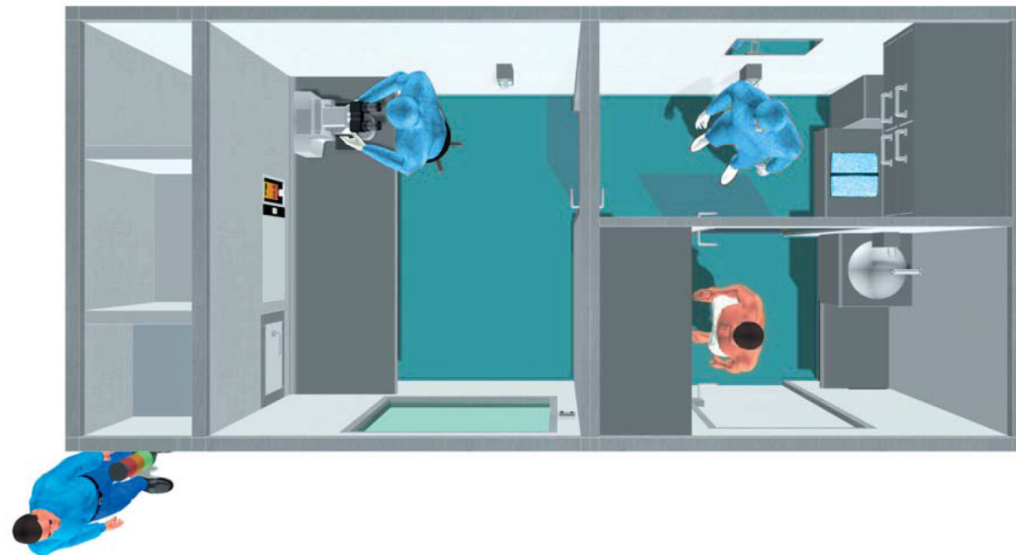
Design



Laminar flow workplace with material air lock



Personnel air lock area with washstand



Advantages

- Installation in class D environment
- Compact design (easily installed in existing buildings)
- Short-term and low-cost implementation
- Low investment, operating and maintenance cost
- Fast and inexpensive Qualification process (IQ, OQ)
- Operational flexibility through modular design
- High reliability
- Long lifetime
- LON bus for simple and convenient control and monitoring