

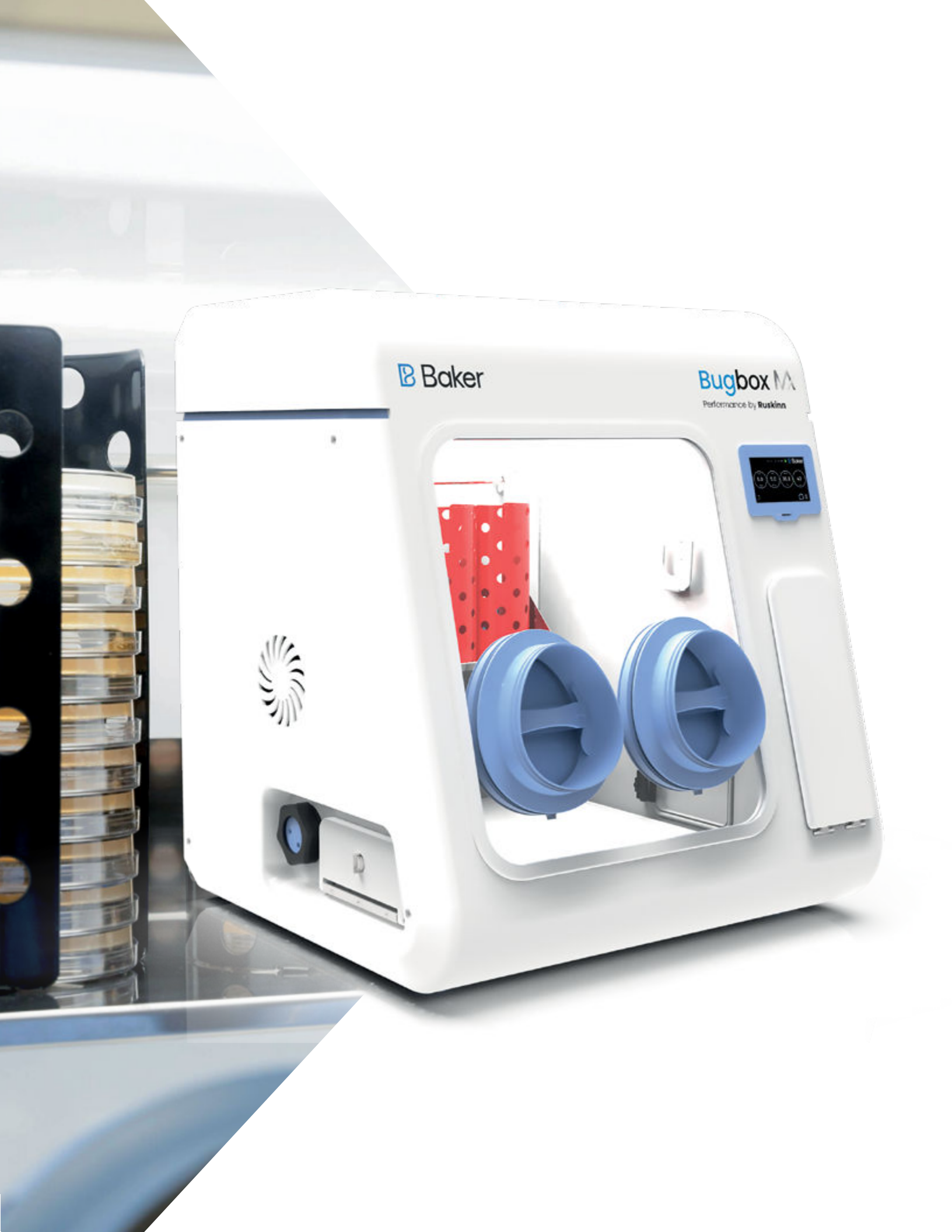
Bugbox

A new level of *versatility, efficiency*
& *power* in a compact space



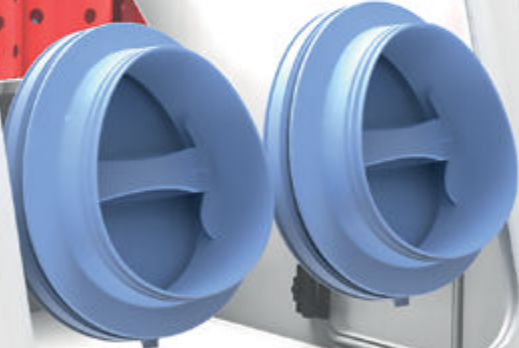
 Baker





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Bugbox M
Performance by Ruskin



Versatile & Flexible to Fit Any Lab Space

BUGBOX

Anaerobic & Microaerophilic Workstations

For over 25 years Baker anaerobic workstations have been the trusted choice for laboratories around the world. More than 1000 anaerobic workstations are installed in more than 40 countries – and more than 300 research publications feature the Baker anaerobic technology.

Available as anaerobic or microaerophilic chambers, our workstation are the most versatile tool for various microbiology application areas.

Designed to help with rising workloads and increase primary isolation rates, Bugbox provides quick and easy access via the Ezee Sleeve™ Glove ports, energy-saving lighting that provides perfect illumination, and is easy to use. The interlock system allows simple and fast transfer of plates into the anaerobic chamber. Adjustable temperature and humidity provide a stable and strictly controlled anaerobic environment that is optimal for obligate anaerobes, and plates can be examined without exposing them to oxygen.

Its compact size meets the needs of the smallest laboratory spaces, and compared to approximately 20 anaerobic jars per week, Bugbox is economical with a lower cost per plate, is more reliable, and provides a stable atmosphere, with minimal maintenance.





PRECISION CONTROL FOR OPTIMAL ENVIRONMENT

- Accurate temperature control from ambient + 5°C to 45°C.
- Accurate and automated humidity control, no dry spots.
- Palladium catalyst maintains anaerobic environment, plus anaerobic color-indicator strips verify anoxic conditions. Optional real time O₂ monitoring available.
- Ezee Sleeve™ Direct Hand entry system allows access without disrupting the atmosphere within the chamber.

ECONOMIC AND RELIABLE FOR LONG TERM SAVINGS

- Standard dual gas operation, low gas consumption and running costs.
- Lower cost per plate compared to anaerobic jars.
- Minimal maintenance and downtime.

The Bugbox Family

ANAEROBIC & MICROAEROPHILIC WORKSTATIONS



Multiple models and a variety of options are available to fit your specific needs.

DESIGNED FOR STRICT, STABLE, ANAEROBIC CONDITIONS

The acrylic airtight chamber is flooded with anaerobic gas mix (H_2 in N_2) and O_2 is displaced.

If any O_2 remains or is allowed to enter, it is “scavenged” by a palladium catalyst situated under the floor tray - the O_2 reacts with the H_2 to form water.

Interlock uses an N_2 purge, so when a user brings in plates through the interlock, no O_2 enters the main chamber.

Gloveless Ezee Sleeves™ are purged using N_2 gas via foot pedals, so no O_2 enters the main chamber when the glove ports are opened.



Bugbox A

- 270 Plate Capacity
- 0.5m² / 5.77ft² bench footprint
- 30 Plate Capacity Interlock
- Intuitive Touchscreen Interface



Bugbox M

- Allows for chamber conditions to be anaerobic or microaerophilic (O_2 to 0.1%)
- Especially suited for example for microbiome research and studying the complex interaction of mammalian cells and bacteria

CONVENIENT & COMFORTABLE USER EXPERIENCE



- **Compact Footprint**
Elegant design allows for 270 plate capacity (90 mm plates) without taking up valuable bench space. (W 790 mm, D 679 mm)
- **Quick and Easy Direct Access**
Gloveless, cuffed sleeve system (Ezee Sleeve™) takes less than 40 seconds for direct hand access to the chamber.
- **Single Plate Entry System**
Optional SPES is a mailbox like slot allowing for quick side entry or exit of individual plates, bypassing the interlock.
- **Energy Saving Lighting**
Reads plates under perfect illumination without O₂ exposure.
- **Innovative Interlock System**
Allows for convenient loading of plates with 30 plate capacity (90 mm plates) and interlock cycle of just 30 seconds.
- **O₂ Conditions Monitor**
Optional Oxygen conditions monitor gives you real time O₂ display.



Standard Features

- Detox advanced carbon filtration system
- Automatic Humidity Control
- Temperature Control
- Low Gas Alarm
- Palladium Catalyst
- Anaerobic Indicator Strips (Ax only)
- Touchscreen Interface
- Interlock
- Ezee Sleeve™ Direct Hand Entry System
- Energy Saving LED Illumination
- 2 x Large Petri Dish Holders
- Data logging
- User defined control of CO₂ from 0.1% to 30.0%. For Mx only, O₂ control for 0.1% to 23.0%

Optional Features

- Anaerobic Conditions Monitor (Standard on Mx)
- Vacuum Line Port
- Gas Sample Port
- Cable Gland Port
- Multi-cable gland (up to 6 individual cables)
- Internal Electric Socket (Standard on Mx)
- Gas Tank Regulators and Filter Modules
- Workstation Stand
- Power Failure Back up System,
- Single Plate Entry System (SPES)(Standard on Mx)

Technical Specifications – Bugbox

| Model | | Bugbox Ax | Bugbox Mx |
|--------------------------------------|-----------------------|------------------|------------------|
| External Dimensions | Width | 790 mm | 790 mm |
| | Depth | 679 mm | 679 mm |
| | Height | 872 mm | 872 mm |
| Internal Dimensions | Width | 540 mm | 540 mm |
| | Depth | 546 mm | 546 mm |
| | Height | 535 mm | 535 mm |
| Working Capacity | 90mm / 96-well Plates | 270 / 152 Plates | 270 / 152 Plates |
| Interlock Dimensions | Width | 149 mm | 149 mm |
| | Depth | 253 mm | 253 mm |
| | Height | 285 mm | 285 mm |
| Interlock Capacity | 90mm / 96-well Plates | 30 / 26 Plates | 30 / 26 Plates |
| Interlock Time Cycle | | 30 sec. | 15 sec. |
| Interlock Door Operation | | Manual | Manual |
| Weight | | 53 kg / 117 lbs | 59kg / 130 lbs |
| Interlock Petri Dish Holder Capacity | | 2 | 2 |



ANAEROBIC & MICROAEROBIC WORKSTATIONS

If you are looking for more robust processing power and capacity, the modular Concept range of workstations are the perfect addition to any lab.



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