All-in for your applications.
The GuardOne® Workstation.

Passionate for science.

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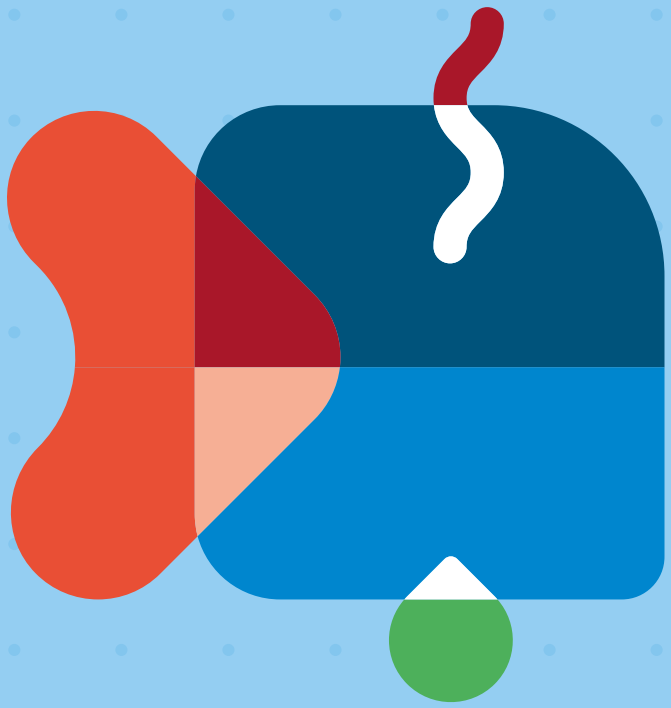
- **Product overview.**
- For your applications.
- Environmental care.
- For the nerds: the tech specs.



Product Overview.

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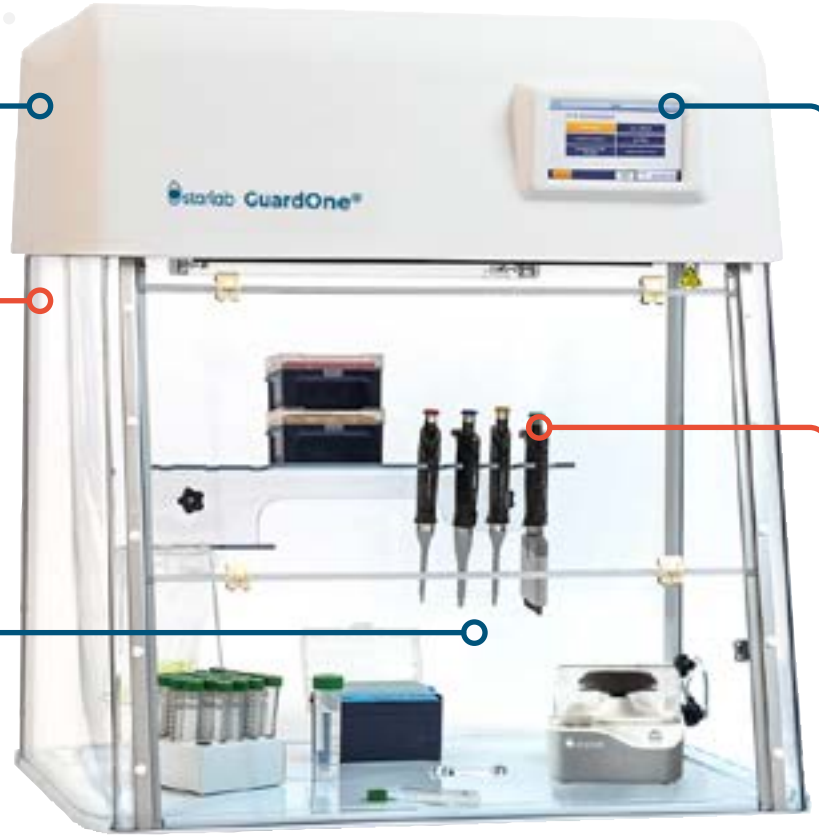
We went all-in on this one. Except for contamination.

TOP LID
Easy to open for an effortless, one-person filter exchange

EASY TO ASSEMBLE
Tool-free assembly in just 15 minutes. No specialist knowledge required

IDEAL WORKSPACE
for sensitive and critical applications requiring a clean environment



INTUITIVE TOUCHSCREEN
Glove compatible. Convenient one-touch QuickStart / QuickStop

HOLDS YOUR GEAR
Integrated shelf and pipette holder

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Safe

- Efficient $UV_{254\ nm}$ decontamination with timer function
- Automatic UV lamp cut-off when front sash is opened
- Efficient, class H14 HEPA filter with pre-filter*
- ISO class 5 working environment*

Reliable

- UV lamp lifespan surveillance
- HEPA filter lifespan surveillance*
- Realtime airflow measurement*
- Device status monitoring

* Laminar Flow models only

Easy to use

- Glove compatible touchscreen
- One-touch QuickStart / QuickStop
  - start with your preferred settings for airflow* speed, light, and light colour (white or red)
- Virtually maintenance free
- Easy to clean

Smart

- Minimal packaging volume and weight
- Easy, tool-free assembly
- Set up your GuardOne® in just 15 minutes
- Tool-free HEPA filter* exchange in just 2 minutes

* Laminar Flow models only

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For your applications.

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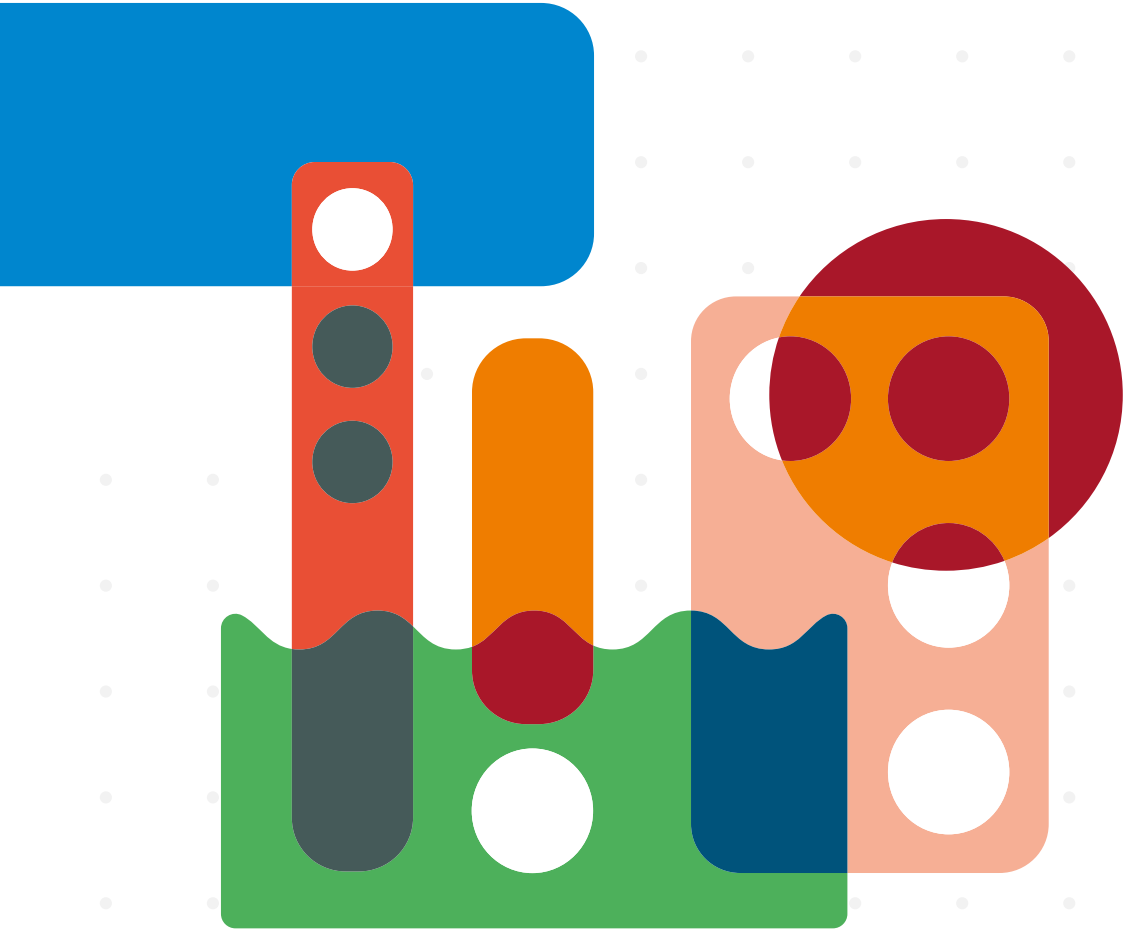
A perfect fit for your daily use.



ANY SENSITIVE EXPERIMENTS* REQUIRING A CONTROLLED, CLEAN ENVIRONMENT

- Sample preparation of DNA or RNA prior to thermocycling
- Post-PCR techniques
- Binding studies and other incubations
- Cell culture work
- Sterile solution preparations
- (Molecular) plant physiology
  - innovative, red light option for light sensitive experiments!
- Microbiological culture work
- Any sensitive experiments requiring a controlled, clean environment

*GuardOne® is not designed to protect the operator

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The GuardOne® Workstation: maximum protection, maximum reliability.

WORK WITH YOUR VALUABLE SAMPLES WITHOUT CROSS-CONTAMINATION

STARLAB's GuardOne® Workstation provides the ideal workspace for sensitive and critical applications requiring a clean environment or protection from potential contamination by bacteria, DNA or RNA. The GuardOne® Workstation minimizes cross-contamination risk to protect your valuable samples and reagents, thus helping to prevent both the time and cost involved by having to duplicate contaminated work.

The GuardOne® UV lamp timer means you can easily decontaminate the working area before you start (or whenever needed), and the two stage filter system creates an ISO 5 cleanroom working environment* to help improve your results. The adjustable airflow* allows you to provide the perfect working environment for even the most sensitive of samples.

Every aspect of GuardOne® has been designed with convenience in mind. All functions are controlled via the intiutive and easy to use touchscreen which also features an at-a-glance color-coded workstation status indicator. This, combined with the realtime measurement of the airflow and the constant lifespan monitoring of the UV lamp and HEPA filters* provides further confidence that your samples are safe. Oh, and there's a convenient built-in lab timer too – we thought of everything!

* Laminar Flow models only

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Hello darkness, my old friend.

High performance LED light system for perfect working conditions.

Optically-clear, UV-impermeable polycarbonate provides excellent visability of the working area as well as full protection from harmful UV

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Environmental care.

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The GuardOne® Workstation was designed with the environment in mind.

MINIMAL PACKAGING VOLUME

- Innovative design reduces package volume providing a 50% SAVING* on both space and shipping resources
- Supplied flat-packed in six pieces
- Easy to assemble without the need for tools
- No specialist knowledge needed, assemble in 15 minutes

REDUCED WASTE

- UV lamp lifespan of up to 9000 hours
- The long lamp life significantly reduces both the cost and waste associated with frequent replacement

MINIMAL POWER CONSUMPTION

- Energy-saving LED lighting
- Latest fan technology
- One of the lowest power consumptions available on the market

*To comparbale competitor products

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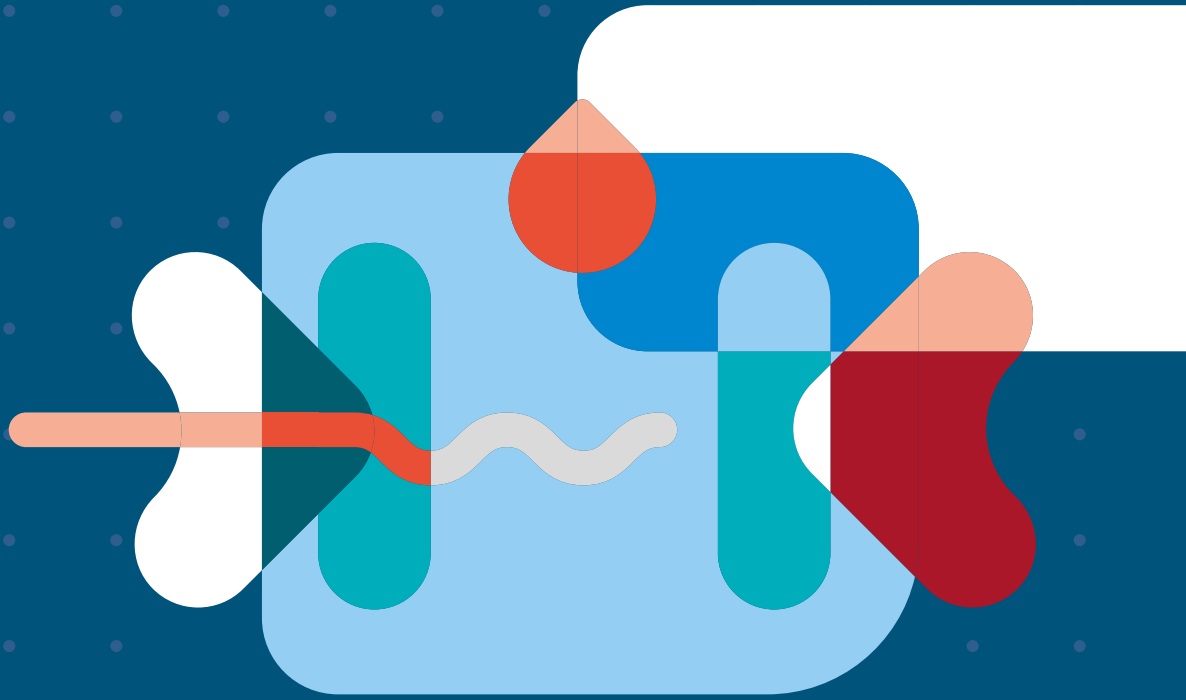

For the nerds: the tech specs.

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Starlab GuardOne® Workstation

Dead Air Workstation 32”

Dead Air Workstation 48”

Laminar Flow Workstation 32”

Laminar Flow Workstation 48”

BASIC SPECIFICATIONS

External dimensions (W x D x H)	813 x 610 x 877 mm	1220 x 610 x 877 mm	813 x 610 x 877 mm	1220 x 610 x 877 mm
Internal dimensions (W × D × H) (working area)	800 x 600 x 600 mm	1200 x 600 x 600 mm	800 x 600 x 600 mm	1200 x 600 x 600 mm
Weight	32 kg	35 kg	36 kg	42 kg
Power consumption	38 W	38 W	90 W	160 W
Lab Timer	Yes	Yes	Yes	Yes

AIRFLOW

Air velocity	-	-	0.2 – 0.4 m/s	0.2 – 0.4 m/s
Realtime airflow measuring	-	-	Yes	Yes
Pre-filter	-		1x	2x
HEPA filter	-	-	1x H14	2x H14
HEPA filter lifespan monitor	-	-	yes	yes

LIGHT

LED light intensity	1400 lux	1400 lux	1400 lux	1400 lux
UV lamp	1x 15 W	2x 15 W	1x 15 W	2x 15 W
UV lamp lifespan monitor	Yes	Yes	Yes	Yes
UV timer	Yes	Yes	Yes	Yes
UV safety switch	Yes	Yes	Yes	Yes

Cable access point
for your electrical devices

Easy-open lid with hydraulic struts
for effortless HEPA filter exchange

High performance,
energy-saving
LED lights
(white and red)

Order Information

Description	Pack Size	Cat. No.
GUARDONE® DEAD AIR WORKSTATIONS [1]		
GuardOne® Dead Air 32“ (80 cm)	1	S8040-1000
GuardOne® Dead Air 48“ (120 cm)	1	S8040-1001
GUARDONE® LAMINAR FLOW WORKSTATIONS [2]		
GuardOne® Laminar Flow 32“ (80 cm)	1	S8040-0000
GuardOne® Laminar Flow 48“ (120 cm)	1	S8040-0001
ACCESSORIES / REPLACEMENTS		
HEPA Filter for 32” laminar flow model	1	S8040-0010
HEPA Filter for 48” laminar flow model	2	S8040-0011
UV lamp for 32” models	1	S8040-0012
UV lamp for 48” models	2	S8040-0013
Pre-Filter for 32” & 48”laminar flow models	2	S8040-0014
Shelf with integrated pipette holder for 32” models	1	S8040-0015
Shelf with integrated pipette holder for 48” models	1	S8040-0016
Trolley for 32“ models	1	S8040-0017
Trolley for 48“ models	1	S8040-0018

1) incl. UV-lamp and shelf
2) incl. Pre-filter, HEPA filter, UV-lamp and shelf

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WATCH VIDEO

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