

# INCREASE YOUR LAB EFFICIENCY

Fortuna  
Vertical Laminar Flow  
Clean Air Cabinets

Scandinavian by Design



LABOGENE

The Fortuna range of cabinets offers the ultimate in product protection, operator comfort and with optional fittings to provide the cabinet best suited for your laboratory and its procedures



We have the cabinet for you for **whatever kind of protection you require!**

## FORTUNA

The Fortuna is a series of vertical sterile laminar airflow cabinets which incorporate the latest laminator technology and energy-saving designs with HEPA-filtration and a range of options that gives optimal protection of your product, samples or equipment.

### How does it work?

The air enters the sterile cabinet from the top of the chamber passing through a pre-filter prior to the main filter to provide laminar down flow, which ensures ultimate product protection. The air flow will thereafter exit from both the front aperture and the rear of the work surface, thus providing a positive pressure environment. The turbulent-free airflow provides a clean, sterile work chamber with complete protection for your products against microbiological intrusion or contamination.

The Fortuna range of cabinets, the ideal choice for your laboratory, wherever a sterile working area is required. PCR, cell culture, microbiology applications, microprocessor manufacturing, plant tissue culture, micro-electronics assembly, optics servicing, are just some examples of installations of the Fortuna range.

### Available in four different working area sizes

- Widths 900 mm, 1200 mm, 1500 mm or 1800 mm

All models come with a choice of either fixed 350 mm or 550 mm front window apertures and with a wide range of high-quality customised options to suit your individual needs or requirements.



# Distributors **WORLDWIDE**

With more than forty years of experience in the design, manufacture and service of lab equipment, LaboGene strives to make a positive contribution to the scientific community all over the world. We provide equipment of innovative design, superb construction and unsurpassed reliability, while employing energy saving and environmentally friendly components.

In cooperation with our local distributors, we have a worldwide dealer and distribution network that makes it possible for us to provide our customers with top-quality equipment delivered on time, backed up with good technical service for the equipment's lifetime.

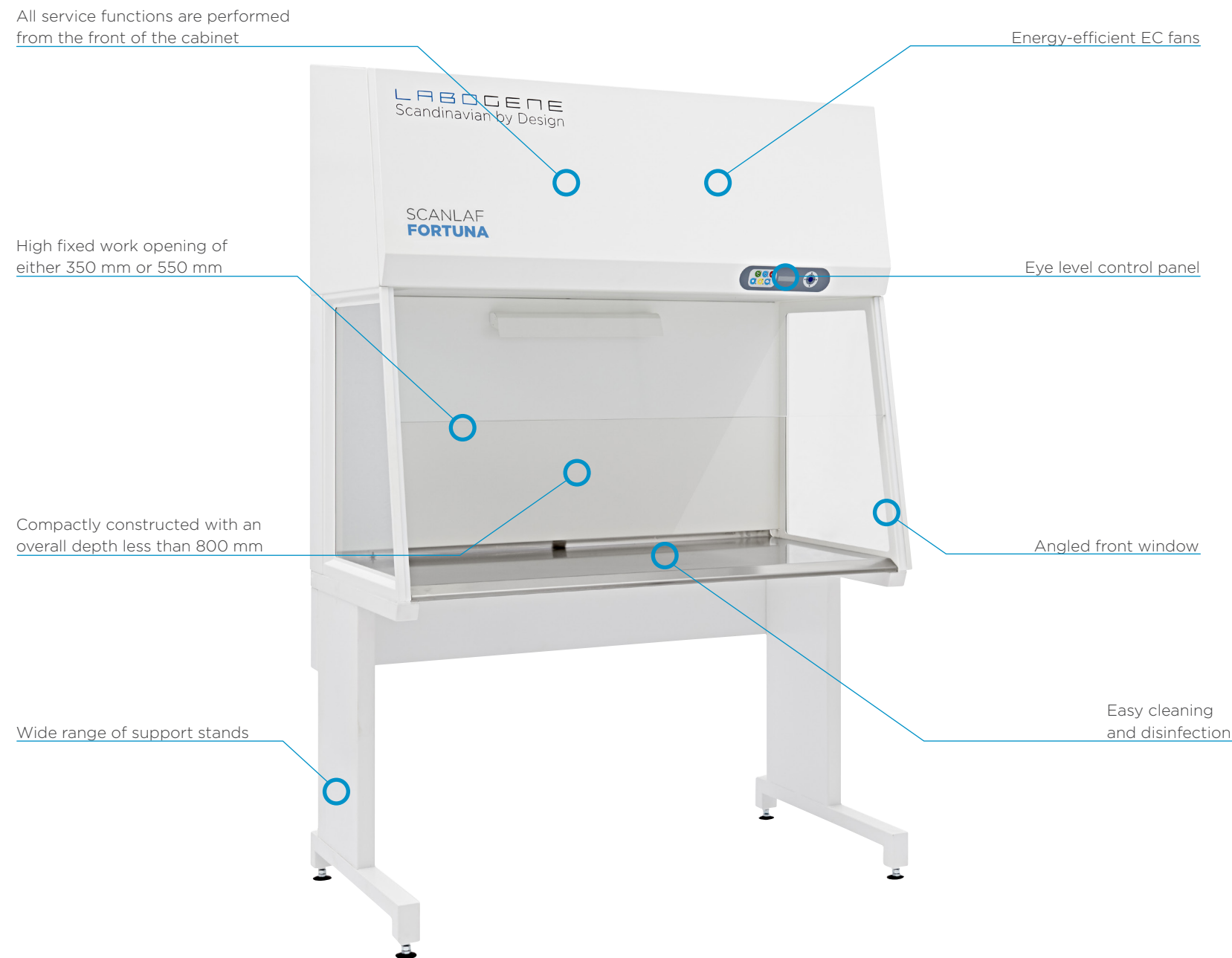
Our distributors offer complete support, service and consultation  
For more information and to find your local distributor visit [www.labogene.com](http://www.labogene.com)

Your local LaboGene distributor



# FORTUNA'S

## FEATURES & BENEFITS



### Optimal operator comfort

- Angled front window that gives a correct ergonomic working position both when seated or standing.
- Glare-free lighting gives a comfortable stress-free working environment.
- Diffused laminator allows shadow-free, variable light distribution within the chamber.
- The integrated control panel with LCD display is conveniently positioned for easy viewing and operation. Incorporates easy programming with functions for reduced speed, lighting adjustments, exhaust and down flow air alarm, window position correctness, ensuring optimal performance and safety characteristics at all times.

### Ultra clean environment – Safety first

- The HEPA filters have a depth of 110 mm with efficiency at 99,999 % against 0,3  $\mu\text{m}$  particles, ensuring a clean sterile work chamber environment.
- Unique laminator/diffuser technology giving turbulent-free air flow, protecting your samples against particle contamination.
- Easy cleaning and disinfection of all surfaces.
- Angled pre-filter for easy inspection and filter exchange.
- Easy to maintain as all service functions are performed from the front of the cabinet, including changing of the HEPA filters, pcb's and sensors. Similarly all adjustments of alarms and fan speed also are made from the control panel at the front.

### Energy saving benefits

- Latest energy-efficient EC fans ensuring low energy consumption. Saving up to 85% of energy compared to the old AC fans.
- Annual operating costs are reduced due to the use of low energy fans, which allows for the use of the HEPA filters with a depth of 110 mm, giving a 50% longer filter life.
- Low energy consumption results in less heat transmission to the work chamber and to the laboratory contributing significantly to a reduction of overall energy costs.



# APPLICATIONS

The Fortuna cabinet's versatility of design and construction allows for adaptability and use in many applications and procedures, whilst ensuring total product protection.

**These include:**

- Location of fermenters, robotic applications etc., as the table top can be lowered and thereby the depth of the cabinet can be increased.
- A built-in UV light positioned at the rear wall with timer and a working aperture closure plate, enable the cabinet to be suitable for PCR applications.
- Servicing of microelectronics and sensitive instruments by installing an ULPA filter.

Other applications for the Fortuna include many microbiology applications, plant tissue culture, servicing of microelectronics and sensitive instruments.

If you are in any doubt with regards to the Fortuna cabinets use for your specific application, then please contact the distributor in your specific country.

To find your local distributor visit [www.labogene.com](http://www.labogene.com)



WE HAVE THE FORTUNA  
CABINET SUITED FOR YOUR  
APPLICATION ... **WHATEVER  
YOUR NEEDS!**



# Meeting your **SPECIFIC NEEDS**

## **FORTUNA** RANGE OF OPTIONS

We offer a range of options to tailor the Fortuna to your specific requirements!

- A wide range of support stands can be supplied including an electrical operated elevation stand with an overall depth of less than 800 mm. The cabinet is compactly constructed and can be easily located in the laboratory and moved without disassembly.
- Fortuna can be bench, stand or wall mounted
- High fixed or hinged front window with an opening of either 350 mm or 550 mm.

- USB ports for PC connection, data logging of air flow speeds, alarms, settings etc.
- Eco-Save auto-start/auto-stop using PIR sensor.
- Aluminium front closing plate to eliminate UV light radiation to the room (suitable when working with PCR applications).
- Numerous other options are available, ranging from ULPA filters, built-in sinks, magnetic mounted screen, heat plate zone etc. Contact your dealer for further information

### **MAXIMIZE YOUR CABINET – FORTUNA MAXI!**

The Fortuna Maxi is designed and constructed to give a large internal working height of 900 mm with a lowered table top, thus providing a clean air environment for the positioning and operation of larger equipment such as fermenters, robotic manipulators etc. inside the chamber.

A choice of either fixed 620 mm or 820 mm front window openings are available as standard

#### **Why choose the Fortuna Maxi when you have large equipment?**

- Ensures your equipment is located correctly, safely and in a “clean environment”.

- Gives a safe and convenient operation of your equipment in the chamber.
- Turbulent-free clean air protection is provided.
- Maximizes the overall stability and safety of the equipment due to a low centre of gravity position.
- All round visibility of your equipment inside the chamber.

Contact the LaboGene distributor in your specific country for more information about your options and about Fortuna customisation.



Need a  
customised solution?  
For more information visit:  
**[www.labogene.com](http://www.labogene.com)**

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## YEARS OF EXPERIENCE

LaboGene are experts in the fields of clean air & laminar flow, vacuum & cooling. We provide both standard and perfectly customised solutions. Designing, developing, manufacturing and marketing in laboratory and industrial equipment is our speciality.

**Leading supplier in:**

Microbiological safety cabinets  
Freeze dryers  
Freezers

**Learn more at [www.labogene.com](http://www.labogene.com)**



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