

vivi[®]
HELMET²⁵

**The Protection
you barely notice**



Total Healthcare Innovation GmbH

ViVi® HELMET²⁵

To Protect

ViVi® Surgical Helmet

ViVi® is both a medical device and an infection protection system. It protects both the patient and the surgeon from contamination.

You protect, while being protected

Our mission is to be the first choice for healthcare professionals who seek greater protection, for themselves and for their patients, without compromising performance.

We designed ViVi® to be comfortable

In situations where you must stay sharp and focused, the ViVi® System creates a protective barrier that feels almost invisible, allowing you to concentrate fully on what truly matters: the procedure and the patient.



ViVi® HELMET²⁵

Designed for High Performance



Gesture control

Keep your hands at the patient and just nod your head twice to change the fan speed! Alternatively, motion sensing technology recognizes your physical activity level and automatically adjusts fan speed.



Quiet

Imagine having a walk in the woods, a slight breeze blows through the leaves. That's the level of noise you will experience inside the ViVi® HELMET²⁵ which recognizes your physical activity level and automatically adjusts fan speed.



Vision

A large field of vision is everything. The ViVi® HELMET²⁵ provides a 190 degree distraction-free view.



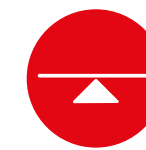
Lightweight

There is nothing like carbon fiber (CFRP). Only 384 grams: the lightest helmet currently on the market. You might not even notice that there is something on your head.



Cool & Comfortable

The patented 2-fan system helps to remove filtered waste air from the suit, directing it away from the patient. A high performance air intake eliminates internal recirculation of waste air.



Perfect balance

Nothing pulls on your neck, the virtual center of mass is inside your head.

ViVi®

Cool. Comfortable. Silent.

The patented dual-fan system keeps you cool and quiet by driving warm air through a filter and gently expelling it from the suit, without disturbing the laminar flow.

Fresh, filtered air constantly replaces the exhaust, while the high-performance intake ensures you always breathe 100% clean air.

Stay focused. Stay effective.

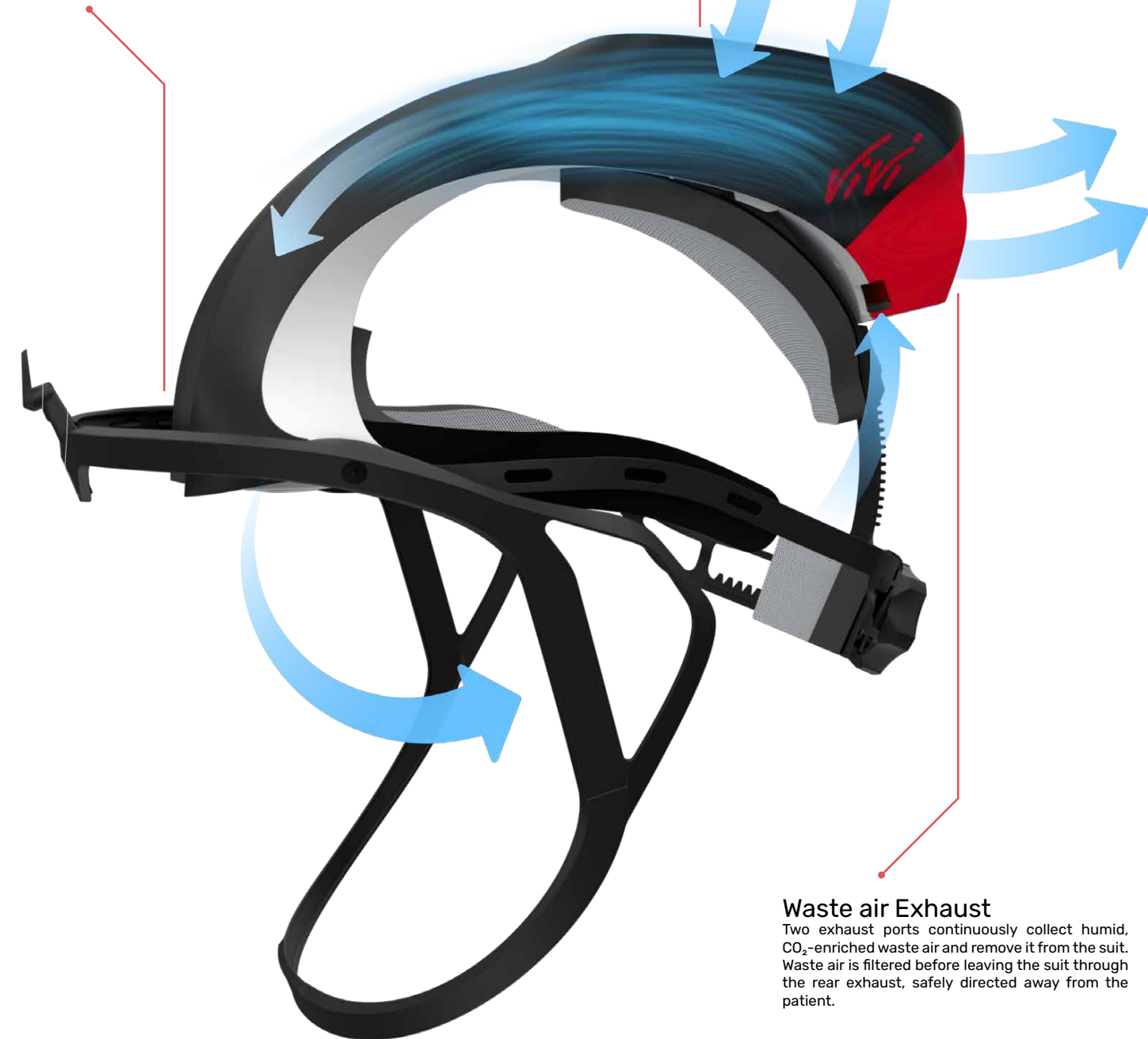
The system provides not only a high airflow rate for cooling, but also an exceptionally high air exchange capacity, so you never breathe in your own exhaled air.

Two precision air nozzles

Gently direct fresh air toward the nose and mouth. The split-nozzle design prevents eye dryness while creating a soft, evenly distributed airflow around your head.

Fresh Air Intake

The unique aerodynamic design of the internal air ducting is optimized for maximum airflow efficiency and zero recirculation of waste air. The air ducts are also easy to access and clean, ensuring long-term performance and hygiene.



Waste air Exhaust

Two exhaust ports continuously collect humid, CO₂-enriched waste air and remove it from the suit. Waste air is filtered before leaving the suit through the rear exhaust, safely directed away from the patient.

ViVi® HELMET²⁵

The Only Patented Touchless Surgical Helmet

Touching the hood during surgery can compromise the sterility of your gloves.
With the ViVi® HELMET²⁵, you no longer need to.



Activity Sensing

The ViVi® HELMET²⁵ intelligently adapts fan speed to your level of activity through integrated motion sensors. Whether you are standing still or moving actively during surgery, the system automatically adjusts airflow to maintain optimal comfort and ventilation.



Gesture Control

Keep your hands on the patient, ViVi® HELMET²⁵ responds to your movements. Simply nod twice within three seconds to adjust fan speed, or tilt your head backward for five seconds to switch the light on or off. No buttons. No contamination risk. Just intelligent, touchless control.

The ViVi® HELMET²⁵ combines motion-sensing technology with intuitive design, ensuring complete control, superior safety, and uninterrupted focus.



ViVi® HELMET²⁵ HPL

Visual acuity is crucial

With the ViVi® HELMET²⁵ HPL, shadowing is eliminated – lighting becomes an essential ally for precise and consistent visualization throughout every surgical procedure.

Crafted to Deliver Superior Performance

The high-power integrated light enhances clinical precision and optimizes both performance and comfort, supporting surgeons during even the most demanding operations.

Excellent for All Types of Surgeries

From routine interventions to the most complex and minimally invasive procedures, the ergonomically optimized light system ensures exceptional visual clarity and uniform illumination of the surgical field, so you always see exactly what you need, when it matters most.



Powerful LED Light

The ViVi® HELMET²⁵ HPL features a powerful LED light delivering an extraordinary 100,000 Lux of illumination with a soft, diffused beam that enhances visibility without glare or eye fatigue.



Broad Spectrum of Light Motion

A lever adjustment system allows the light to be positioned precisely in any direction between 0° and 55°, offering unmatched versatility.

This wide range of motion makes the ViVi light ideal for all types of surgical procedures, from open to minimally invasive.



Touchless Control

You can switch the light on/off and adjust airflow without ever touching the helmet.



Crystal Clear Vision

The over-the-eye placement of the light ensures optimal shadow-free illumination, excellent depth of field, perfect eye alignment, and unobstructed access to the entire visual field – providing clarity and focus exactly where you need it most.



ViVi® Surgical Helmet System: Helmets and Consumables

ViVi® HELMET 25

fans	2 various speed
control	automatic + gesture
input voltage	12.4 - 16.4 V (DC)
ingress protection	IPX0
dimension	332x222x336 mm



ViVi® HELMET 25 HPL

fans	2 various speed
control	automatic + gesture
input voltage	12.4 - 16.4 V (DC)
ingress protection	IPX0
dimension	332x222x336 mm
LED light intensity	> 100.000 Lux



ViVi® Disposable Range

Complete Single-Use Protection

The ViVi® HELMET²⁵ is supported by a full range of disposable consumables, ensuring comfort, safety, and infection control in every procedure.

Protection and Performance

Engineered to protect both patient and surgical team, the ViVi® Disposable Range minimizes the transfer of microorganisms, fluids, and particles.

The **hood** serves as a single-use head cover for use with a gown, while the **toga** provides a full head-to-body barrier for maximum protection and comfort.

All ViVi® hoods and togas are made of **High Performance Breathable Viral Barrier fabric**, offering superior protection and exceptional breathability.

Each item is **double-packed sterile, single-use, and certified as both a Medical Device and PPE.**

All models are fully compatible with the ViVi® Helmet²⁵ line.

ViVi® HOOD and ViVi® HOOD PREMIUM

Standard and enhanced disposable hood providing **reliable protection and comfort.**



ViVi® HOOD HFD and ViVi® HFD PREMIUM

Our **patented models** featuring high-efficiency filtration (ASTM F2101 tested with **99.4 % VFE** and **99.8 % BFE**) using **sub-micron breathable viral-barrier material.**



ViVi® PEEL-OFF HOOD

Patented 3-layer visor system with two removable, non-adhesive protective films, ensuring a perfectly clear view and effortless peel-off removal during surgery. Large, visible grip tabs and numbered layers simplify and secure film removal.





ViVi® TOGAS (Surgical Gowns Integrated with Hood)

Available in **four sizes**, ViVi togas combine head-and-body protection in a single sterile unit, ensuring maximum protection and sterility.

ViVi® TOGA PREMIUM

Integrated hood and surgical gown with a rear zipper closure, providing a fully enclosed, ergonomic fit.



ViVi® PULL-OVER TOGA PREMIUM

Integrated hood-and-gown design without a zipper, worn from above for **quick, complete closure and secure protection**.



ViVi® PEEL-OFF TOGA PREMIUM

Patented 3-layer Toga system with two removable, non-adhesive protective films, ensuring a **perfectly clear view and effortless peel-off removal** during surgery. Large, visible grip tabs and numbered layers simplify and secure film removal.



ViVi® Battery Pack and Charging Systems

Battery Pack HW

The ViVi® Battery Pack powers the ViVi® Surgical Helmet through a low-voltage DC system, ensuring consistent and safe energy delivery during surgical use. It features an integrated power check button that allows users to easily verify the battery's charge level at any time.

Types of chargers

Single-Bay Charger

designed to charge and maintain **one battery pack**. It includes a **charging dock** and **power supply unit**.

Four-Bay PRIO Charger

designed to charge and maintain up to **four battery packs simultaneously**.

One bay (the first on the left) features a **fast-charge function**, activated by pressing the **PRIO** button, which **reduces charging time by 50%**

BATTERY PACK HW

Type	Li-Ion Battery
Voltage	14,4 V
Capacity	49,7 Wh
Dimension	85,1 x 77,4 x 22,4 mm
Adaptor input	100-240 VAC 50-60 Hz,1.7A : 65W



SINGLE-BAY SMART CHARGER

Charger input	19-26V(DC): 3,4 A max
Dimension	120 x 64 x 43 mm



FOUR-BAY PRIO CHARGER

Charger input	100-240 VAC: 6.8 A max
Dimension	220 x 120 x 46 mm



The **main power cable** must be ordered separately according to the country of use. Both chargers are equipped with **LED indicators** that display charge status and active operation at a glance. All components are engineered to ensure **reliable, efficient, and safe battery management** for the **ViVi Surgical Helmet system**.

ViVi® Accessories

ViVi® Muffle

The **ViVi® MUFFLE** is a premium comfort pad that delivers an exceptional wearing experience. Its thick and compact spongy core ensures superior comfort and even pressure distribution across the helmet.

A **high-quality, skin-friendly, and biocompatible flannel velvet** covers the inner core, providing effective **heat and moisture** management while **absorbing perspiration** to keep the forehead **dry and comfortable** even during long procedures.

The **sealed edges** and compact structure guarantee durability, hygiene, and lasting performance.

Key Features:

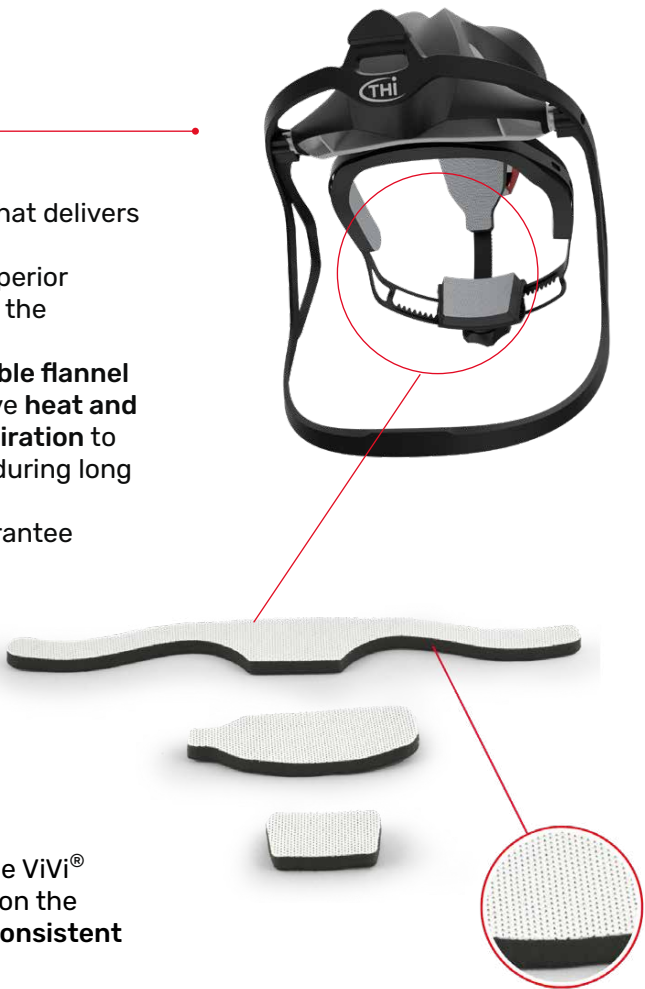
- Long-lasting durability
- Pressure absorption and superior comfort
- Sweat absorption and dry forehead
- Easy replacement and maintenance

The ViVi® MUFFLE can be easily replaced on the ViVi® Surgical Helmet whenever visible dirt appears on the white surface, ensuring proper hygiene and consistent comfort.

ViVi® Velcro-Set

Replacement set to maintain perfect **adhesion and efficiency of the ViVi® Peel-Off Visors**.

Simple to apply and replace, the ViVi® Velcro-Set keeps your helmet performing at its best.



ViVi® Helmet²⁵ Rack

The **ViVi® HELMET²⁵ RACK** is the ideal solution for **storing your ViVi® Surgical Helmet safely** and elegantly.

Winner of the **Good Design Award**, this innovative holder allows the helmet to be hung securely and removed effortlessly. It ensures proper storage conditions and can be mounted on any smooth surface without screws, thanks to its high-strength adhesive tape system.

Easy to install, easy to remove – the ViVi® HELMET²⁵ RACK combines functionality, cleanliness, and design excellence.



ViVi® Demobag

The **ViVi® DEMO BAG** is a **lightweight and functional backpack** designed to conveniently transport your **ViVi® Surgical Helmet System** and all essential accessories. Compact yet spacious, it features **dedicated compartments for organized storage**, ensuring that everything you need is always within reach.

ViVi® Demobag

ViVi® HELMET ²⁵	ViVi® HELMET ²⁵
ViVi® HOOD	ViVi® HOOD
ViVi® TOGA SIZE XL-XXL	ViVi® TOGA SIZE XL-XXL
BATTERY PACK HW	BATTERY PACK HW
SINGLE-BAY SMART CHARGER	SINGLE-BAY SMART CHARGER
DEMO HEAD	DEMO HEAD
IFU	IFU

ViVi® Light Demobag



About THI

Driven by Innovation

THI is a team of passionate and dedicated healthcare professionals and product designers. For more than 15 years, we have been committed to continuously raising the standards of comfort and protection in personal infection-prevention systems, focusing on the development of innovative surgical helmets and gowns. We are proud to be at the forefront of innovation – designing and manufacturing advanced protective solutions that redefine safety, performance, and usability in the operating room.

Innovation and Excellence Recognized Worldwide

- Innovative Capacity Recognized and Winning International Awards:
- Life Science Excellence Award – Rome, Italy
 - Good Design Award – Chicago, USA
 - Product of the Year – *Cleanroom Technology Magazine*
 - Innovation Award – ContaminExpo, Paris, France
 - Cleanroom Technology Conference Award Birmingham, UK
 - Econovius Innovation Award – Vienna, Austria
 - Innovation Award Winner with ViVi Surgical Helmet – Carinthia, Austria
 - Innovation Award Winner with Oxygen Helmet Carinthia, Austria



How to buy

To find a distributor in your area visit our website:
www.thigmbh.at



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| Helmets
81100 – ViVi® HELMET ²⁵
81130 – ViVi® HELMET ²⁵ HPL
81100XL – ViVi® HELMET ²⁵ XL
81130XL – ViVi® HELMET ²⁵ XL HPL |
| Hoods
80200 – ViVi® HOOD
80201 – ViVi® CR-HOOD
80210 – ViVi® HOOD
80301 – ViVi® HOOD HFD |
| Premium Hoods
82200 – ViVi® HOOD PREMIUM |
| Peel-Off Hoods
80500 – ViVi® PEEL-OFF HOOD
80501 – ViVi® PEEL-OFF HOOD HFD
82500 – ViVi® PEEL-OFF HOOD PREMIUM |
| Toga Premium
82220 – ViVi® TOGA PREMIUM XL-XXL
82221 – ViVi® TOGA PREMIUM M-L
82222 – ViVi® TOGA PREMIUM XXS-S
82223 – ViVi® TOGA PREMIUM 3XL |
| Peel-Off Toga Premium
82520 – ViVi® PEEL-OFF TOGA PREMIUM XL-XXL
82521 – ViVi® PEEL-OFF TOGA PREMIUM M-L
82522 – ViVi® PEEL-OFF TOGA PREMIUM XXS-S
82523 – ViVi® PEEL-OFF TOGA PREMIUM 3XL |
| Pull-Over Toga Premium
82230 – ViVi® PULL-OVER TOGA PREMIUM XL-XXL
82231 – ViVi® PULL-OVER TOGA PREMIUM M-L
82232 – ViVi® PULL-OVER TOGA PREMIUM XXS-S
82233 – ViVi® PULL-OVER TOGA PREMIUM 3XL |
| Battery & Chargers
60402 – BATTERY PACK HW
60501 – SINGLE-BAY SMART CHARGER
60506 – FOUR-BAY PRIO CHARGER |
| Power Cables
30602 – POWER CABLE EU REF 60501/60506
30603 – POWER CABLE UK REF 60501/60506
30604 – POWER CABLE AU REF 60501/60506
30605 – POWER CABLE US REF 60501/60506 |
| Accessories
50788 – ViVi® MUFFLE
50790 – ViVi® VELCRO-SET
60194 – ViVi® HELMET RACK
82110 – ViVi® DEMO BAG
82130 – ViVi® LIGHT DEMO BAG |

Packaging for hoods and togas: 20 pieces per box
Pallet for hoods: 36 boxes equal to 720 pieces
Pallet for togas: 16 boxes equal to 320 pieces



Total Healthcare Innovation GmbH



Produzione, ricerca e sviluppo prodotto

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