Ultraclean Ventilation Solutions for Health Care
About Interfurn:

Interfurn is part of the Interwinn Group, established in the Netherlands in 1945. We are an independent supplier and installer of ultraclean ventilation solutions for new and refurbished health care facilities including:

- Operating theatres
- Preparation rooms
- Hospitals / NHS Trusts
- Surgeries
- Isolation facilities
- ICU & ITU environments

We have many years experience in the design, manufacture and installation of ventilation solutions for health care facilities. This enables us to provide our clients with practical advice, tailored to each specific project.

We understand that your time is money, so we work in partnership with you to ensure every project is completed in a timely manner and to the standards that you require, with minimum disruption to your facilities.

Our systems are installed in accordance with the statutory requirements, codes of practice and guidance laid out in HTM 03-01. All installations are certified under ISO 9001 and ISO 14001.

For more information on our specialised ventilation solutions, or to discuss your project:

Call us: 01484 661120
Email us: sales@interfurn.co.uk
Health Care Associated Infections (HCAIs):

Interfurn’s ultraclean ventilation solutions are designed to significantly minimise the risks associated with airborne health care associated infection (HCAI).

Surgeries and theatres can become a source of post operative infection, with surgical site infections (SSIs) being one of the biggest sources of airborne HCAIs. With almost one in ten patients acquiring a HCAI in the UK, research indicates that the level of HCAI is directly proportional to the level of airborne bacteria within an operating room. This can not only endanger the life and health of patients, but also generate additional post operative cost for hospitals, NHS Trusts and society generally, due to longer hospital stays and loss of income.

It is generally accepted that these risks can be significantly reduced when ‘clean surgery’ (posing a moderate to high risk of infection) is carried out in an ultra clean environment, the definition of ‘ultra clean’ being air containing less than 10 Colony Forming Units per cubic metre (<10 CFU/m³).

Flexible & Energy Efficient Ultraclean Solutions:

Our energy efficient ultraclean ventilation systems are designed specifically around the theatre layout and the preferred medical equipment layout, which makes them ideally suited to hybrid theatres with integrated imaging equipment. Unlike traditional UCV canopies, which can form a cumbersome and un-negotiable part of the M&E package, Interfurn’s UCV canopy systems offer ultimate flexibility and can be designed to suit most architectural, construction and M&E requirements.

Additionally, our systems offer many benefits when compared to ‘Traditional’ and ‘Eco’ UCV canopies and are built to incorporate our revolutionary ‘Dual2 Technology’, which enables us to offer significant advantages over other UCV canopies on the market today including:

- Bespoke, screenless/skirtless UCV and laminar flow canopy systems for use in operating theatres
- All systems fit completely flush with the ceiling
- Unrivalled energy efficiency of up to 65% through the utilisation of EC motors and intelligent component selection

Please visit www.interfurn.co.uk for more information on our Ultra Clean, Ultra Green UCV solutions.
We offer standard & bespoke solutions for both new build or refurbishment of your operating theatres.

New Build Theatre Solutions:

Interfurn can help you with the planning and design of your new, state of the art operating theatre or department. Working closely with building contractors and architects, and directly for NHS Trusts, we endeavour to find the most suitable solutions for your project, ensuring it is completed on time and in budget.

We also manufacture an innovative range of laboratory and health care furniture, designed to compliment our specialised ventilation installations - Please contact us for details.

Our solutions can include:

- Feasibility study
- Planning and design
- Supply and installation of HVAC and air management systems
- Ultra clean ventilation solutions
- Full compliance and independent validation with HTM 03-01
- Supply and installation of surgical lighting, medical gas pendants, theatre control panels and laboratory / health care furniture

We place our focus firmly on quality and innovation in order to provide a unique solution for every new build project, irrespective of theatre size.

Please contact us to discuss your new build or refurbishment requirements:

Call us: 01484 661120
Email us: sales@interfurn.co.uk
Operating Theatre Refurbishment Solutions:

Whether you are planning to upgrade or extend your operating theatre/s, convert an unused area or upgrade existing facilities, Interfurn offers a cost effective design and installation service for your project.

As an independent supplier and installer, we will offer advice, draw up initial designs and liaise with our specialist suppliers in order to carry out the works and install the equipment required. We are accomplished at working in partnership with building contractors, architects and directly for NHS Trusts.

We offer solutions for:

- Hybrid and Integrated Operating theatres
- Isolation facilities
- Surgeries
- ICU & ITU environments
- Instrument preparation rooms
- Eye clinics

Our many years experience in the design and installation of laminar flow and ultra clean ventilation systems and UCV canopies for health care facilities enables us to provide practical advice, tailored to each specific project.

We supply and install a wide range of UCV solutions, in a variety of sizes, to suit your budget and requirements. All our solutions ensure that air within the theatre ‘clean zone’ conforms to the accepted ultra clean definition by containing less than 10 CFU/m³, when installed as part of a well maintained HVAC system.

We can also supply and install:

- Surgical lighting
- Medical gas pendants
- Theatre control panels
- Laboratory and health care furniture
- HVAC Systems

All our solutions are fully compliant with HTM 03-01 guidelines and other clean air standards.
Interfurn supply & install hospital specification HVAC units, manufactured to HTM 03-01 standards.

**HVAC Systems:**

We offer a range of energy efficient, hospital specification air conditioning and HVAC solutions, designed for all health care environments. Each system is custom designed to ensure a safe and healthy environment is achieved, helping to protect the health and wellbeing of both patients and staff alike.

For most hospitals, infection control is one of the biggest challenges. Interfurn’s HVAC systems can include high efficiency or HEPA filters, which prevent airborne particles and bacteria from circulating in the environment.

All our hospital specification HVAC systems are fully bespoke and designed to meet the exact requirements of each installation, including size, duty and ensuring the criteria stipulated in HTM 03-01 is met.

**We also offer:**

- Matching condensing units
- Pipe work, expansion valves and charging
- Control panels
- Inverters

Flat pack and build on site of HTM03 units is a speciality.

For more information on our HVAC systems, aftersales or servicing, please:

**Call us: 01484 661120**
**Email us: sales@interfurn.co.uk**
Aftersales Support & Servicing:

All our air system installations include an initial validation to HTM 03-01 and other clean air standards.

We offer a periodic or planned maintenance programme as part of our validation and aftersales service regime. This ensures that not only do your systems remain compliant to the initial design, guidance and legal requirements, but regular servicing can help identify and prevent future issues,

Validation and qualification testing is completed by an independent company, in order to ensure that your equipment continues to be operational within HTM03-01 guidelines and continues to deliver the clean ventilation essential for sterile operating and preparation areas.

We also offer additional servicing solutions and we supply and install a wide range of filters and spares. These include:

- Filters, CG screens, lights etc
- Particle monitoring checks
- Air velocity checks
- Entrainment testing
- DOP / PAO testing

Please contact us on 01484 661120 for further information.

HTM 03-01 stipulates that operating theatres & their ventilation systems should be inspected quarterly & a full performance validation conducted annually.
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