Pharma IT solutions for demanding environments

BLUE LINE

IT for Demanding Environments

Content

Reliable solutions for Pharma & Biotech IT

Reliable IT hardware based on your environment and needs. Blue Line's product line is compliant with all regulatory requirements in GMP, FDA, and ISO 14644, allowing you to optimize workflow.

We understand your environment

Blue Line has been a global supplier of highly reliable IT solutions for demanding environments for more than 35 years.

Our DNA is customer focus in all phases of the cooperation. In surveys, the majority of our clients emphasized Blue Line's ability to listen and to create solutions in close cooperation with our dedicated team.

## Higher productivity and user satisfaction

Benefit from a product range designed to avoid the typical challenges in biotech and pharmaceutical manufacturing. Renew or retrofit current IT installation and gain higher productivity and user satisfaction.

Benefit from experience and knowledge based on numerous installations worldwide.

Quality and reliability

All products are designed for 24/7 uptime, with low power consumption, passive cooling, and without moving parts for maximum operational reliability. All company procedures are subject to strict quality standards in the ISO 9001:2015 certification. As a company, we also hold an AAA credit rating.

Reliable Pharma IT
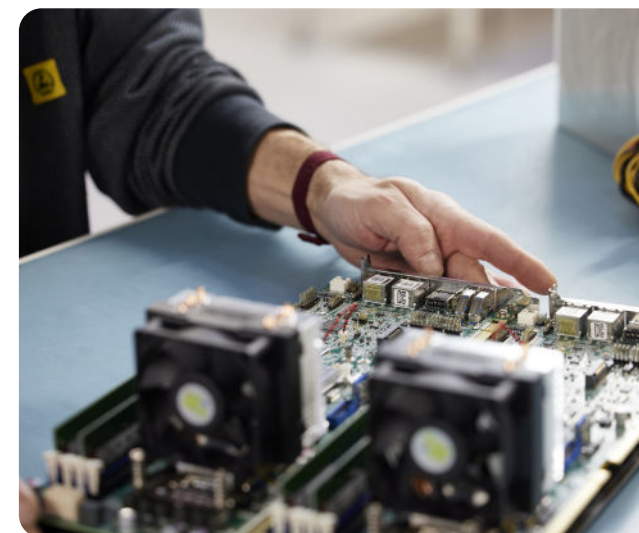
Meets regulatory requirements

Benefit from a product range designed to avoid typical challenges in pharmaceutical manufacturing. Avoid worries about regulatory requirements with innovative technologies keeping products completely clean and sterile.

Compliant with all standards

Take advantage of our extensive experience with IT for cleanrooms.

Blue Line's products comply with all regulatory requirements for EU GMP classification for cleanroom A-B-C-D, as well as FDA and ISO 14644.

Easy to clean

All products are consciously designed with smooth surfaces, slanted sides, and rounded edges, meaning that products are easy to clean.
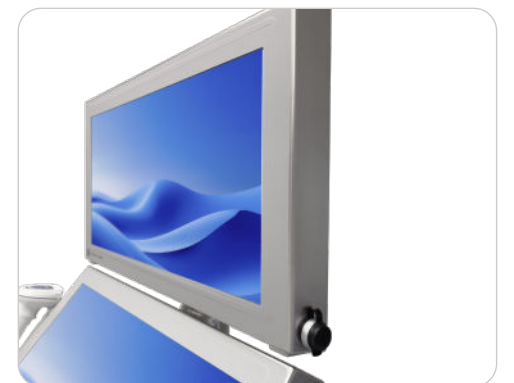
Withstands all known cleaning detergents

Blue Line's cleanroom products withstand all known cleaning detergents such as iso-propyl alcohol, non-deionized water, VHP, Spor-Klenz™, Klercide, Actisan, LpH®, Vesphene®, and many more.

Easy to use

Do you find that fixed-mounted operator terminals can be inflexible and cost-intensive? Go mobile and achieve greater productivity, a more flexible setup as well and reduced costs.

Operable with gloves

Blue Line's cleanroom workstations support operation with gloves. A typical use case would be operation with two or three layers of gloves.

The innovative touch display includes auto calibration for seamless operation and avoids interruptions in the production process.

Hygienic keyboard

Standard keyboards are not suitable for use in cleanrooms, as dirt accumulates under the keys and trackball.

Furthermore, the design and materials of most keyboards do not permit regular cleaning with aggressive agents. The surface of Blue Line's hygienic keyboard is completely flat and can be effectively disinfected with no compromises.

Blue Line's touch keyboards are without moving parts, ensuring long durability and long-term reliability.

If you prefer a keyboard with keystroke, all Blue Line HMIs are also available with membrane keyboards.
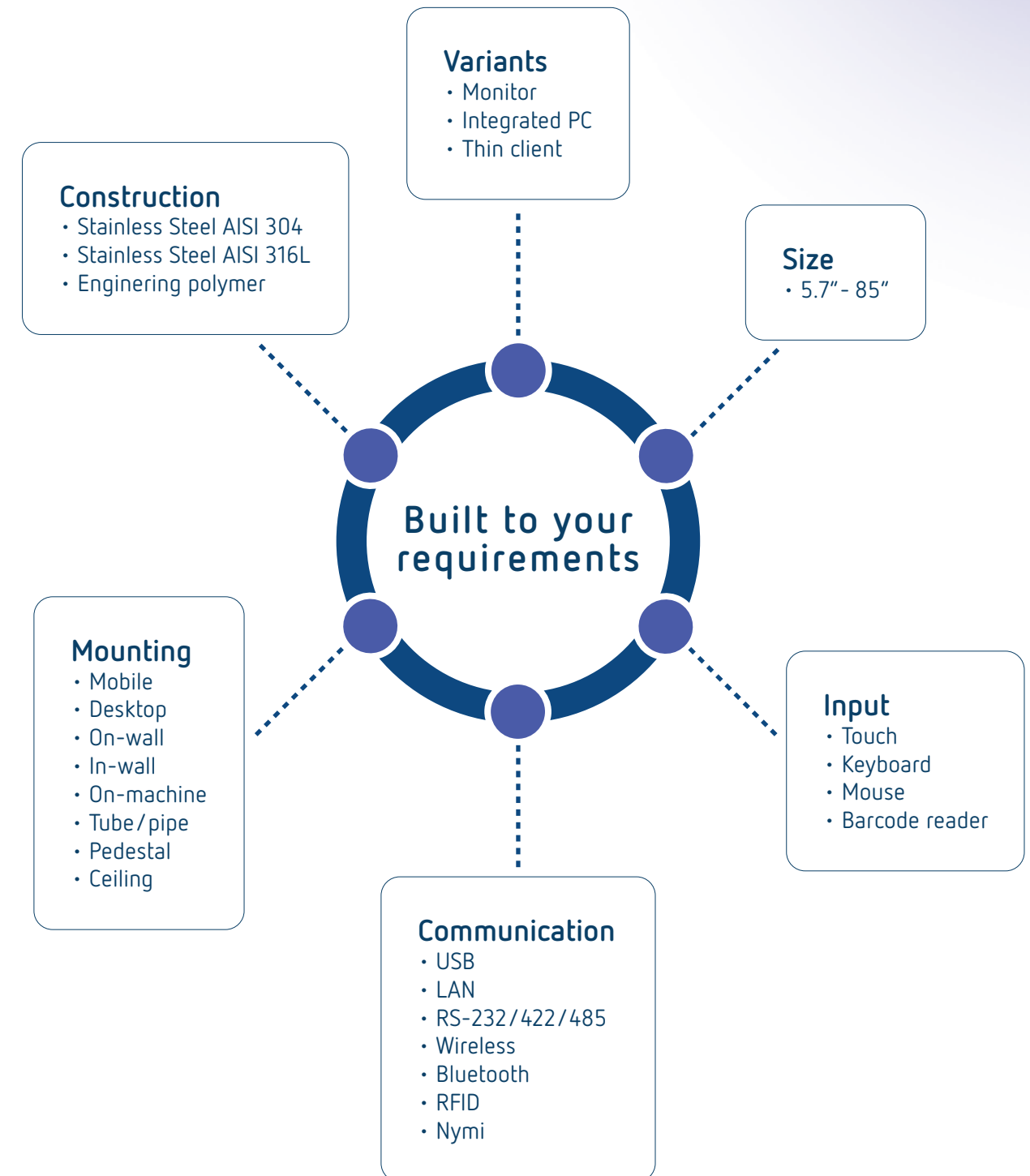
Modular design – Built to your needs

Blue Line's modular design makes it possible to configure the majority of HMI Workstations and Mobile Operator Stations to specific needs in functionality, finish, and environment.

Choose between different variants on the basis of casing, size, input, communication, and mounting.

Discover the possibilities below. If you do not find a combination that fits your requirements, Blue Line has a strong capability to customize products according to your specifications.

Variants
- Monitor
- Integrated PC
- Thin client

Construction
- Stainless Steel AISI 304
- Stainless Steel AISI 316L
- Enginering polymer

Size
- 5.7"– 85"

Built to your requirements

Mounting
- Mobile
- Desktop
- On-wall
- In-wall
- On-machine
- Tube / pipe
- Pedestal
- Ceiling

Input
- Touch
- Keyboard
- Mouse
- Barcode reader

Communication
- USB
- LAN
- RS-232 / 422 / 485
- Wireless
- Bluetooth
- RFID
- Nymi

Mobile cleanroom solutions

Cleanroom mobility

Mobility in cleanrooms

Do you find that fixed-mounted operator terminals can be inflexible and cost-intensive? Go mobile and achieve greater productivity, a more flexible setup as well as reduced costs.

Why go mobile?

Mobile IT solutions in pharma and biotech enhance productivity, flexibility, and data access, improving product development, clinical trials, and regulatory compliance.

They optimize processes with real-time data access, facilitate immediate documentation and data entry, reduce the need for fixed workstations, and adapt to different tasks or production areas.

These solutions support regulatory adherence with mobile documentation, operate across various facility zones, and improve ergonomics and ease of use.

Implementation in cleanrooms

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Mobile Operator Stations

Mobile Operator Station T3000

Mobile Operator Station T2000

Mobile Operator Station T500

Tablet

Cleanroom Tablet

Cleanroom Tablet

The lightest and thinnest cleanroom tablet ever on the market. Easy-to-clean design with smooth unbroken surfaces. Detergent resistant and operable with gloves.

The first GMP compliant tablet with real cleanability and true mobility for cleanroom operation.

Very easy to clean and disinfect due to complete smooth surfaces without any openings or crevices where unwanted contaminants can accumulate.

Suitable for repeated cleaning cycles withstanding all known cleaning agents and disinfectants.

Withstands all known detergents. Easy-to-clean design with smooth unbroken surfaces compatible with gloves.
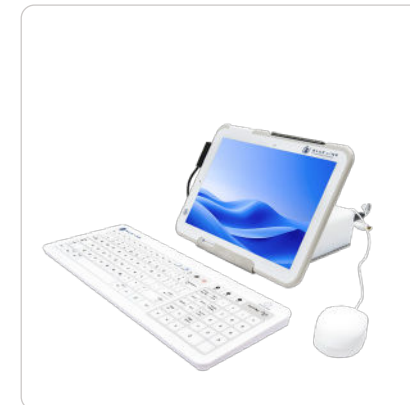
Add a Cleanroom Hub – the ultimate solution for charging and wired connectivity

Touch pen – magnetic and light weight

Charger for 4 tablets

Compact dimensions and low weight, up to 60% lighter and 60% thinner

10.5" or 13" multi touch display

Integrated Nymi-reader

Cleanroom mobility

Mobile Operator Station T3000

The life science industry is going mobile, and Blue Line is at the forefront of this trend with a line of Mobile Operator Stations. A mobile strategy enables complete digitization, increases productivity, quality, and operational efficiency, and saves costs compared to fixed-installed HMIs.

Mobile Operator Station T3000 is the most complete operator station offering ultimate mobility and ergonomics for IT operation in cleanrooms and biotech.

Enable full digitization of workflows and achieve a flexible position that is prepared for future needs for changes in production.

Features

Single screen configuration

Dual screen configuration

Option for integrated thin client

Adjustable height for the best ergonomics

Hot-swappable batteries

Configurable workspace

Display for battery power status

Integrated WIFI and Bluetooth

Stainless steel surfaces

Mobile Operator Station T2000

The T2000 offers the mobility of the T3000 in a cost-effective unit that ensures complete digitization and productivity in cleanrooms. Take advantage of the ergonmic design that eases the usability for cleanroom operators.

Features

Single screen configuration

Dual screen configuration

Option for integrated thin client

The Mobile Operator Station T2000 delivers essential mobility and ergonomics for IT operations in cleanrooms and biotech environments.

The T2000 maintains full functionality while offering a streamlined and cost-effective approach to mobile cleanroom technology.
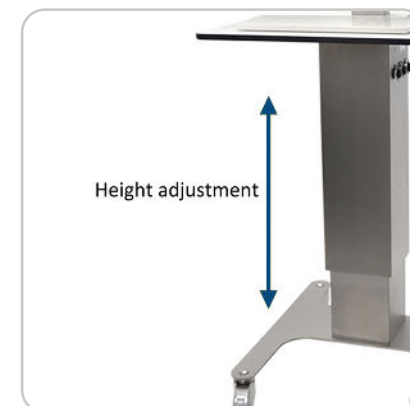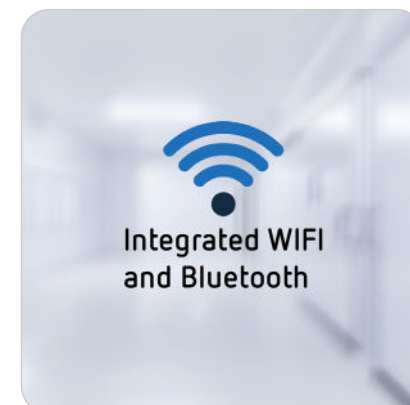

Adjustable height for the best ergonomics

Ergonmic for operator comfort

Stainless steel surfaces

Integrated WIFI and Bluetooth

Fixed installations

Fixed installations

Fixed installations

Fixed IT installations prioritize performance and data integrity, essential for regulatory compliance in pharma and biotech environments. Compliance and validation is simplified and the fixed equipment offers a direct connectivity with complex machinery.

Fitted to your environment

The mounting solutions are designed to ensure smooth transitions between the individual components making cleaning easy.

Made entirely of stainless steel, all mounting solutions are ingress proof withstanding tough cleaning procedures.

Based on your specific needs, we are pleased to prepare a proposal that ensures the best functionality, ergonomics and occupies as little space as possible.

HMI systems for fixed mounting

HMI
Monitor / Panel PC

HMI with Keyboard
Monitor / Panel PC

HMI 8000
Monitor / Panel PC

In-wall HMI
Monitor / Panel PC

HMI Atex / Ex
Monitor / Panel PC

Mounting options

Blue Line provides a wide range of flexible mounting solutions regardless of whether the mounting is to be done in the wall, on the wall, floor, ceiling, desktop or a machine.

Installations can be fixed, rotating, tiltable or even mobile. Separate or attached keyboards can be a part of the system.

In-wall
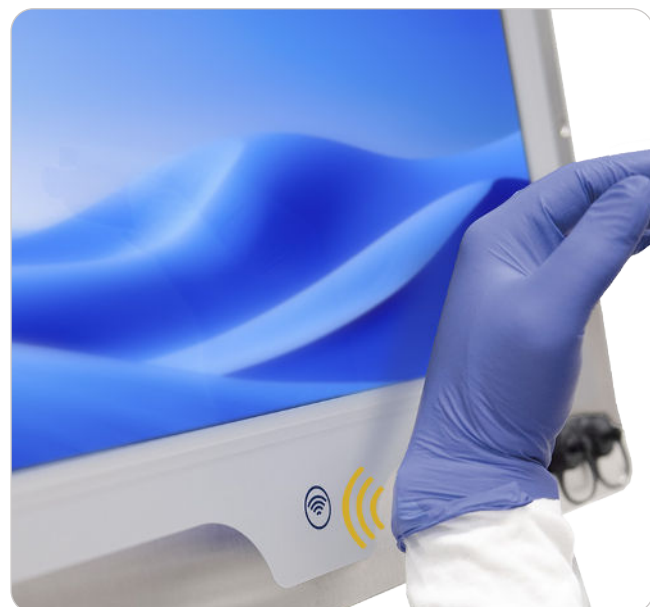
Wall or machine mounted

Ceiling mount

Floor mount

Desktop

Fixed installations

Authentication

Authentication

Authentication - Go passwordless

Are your teams losing valuable time with cumbersome login procedures? Modernize your authentication approach to eliminate passwords, reduce contamination risks, and boost operational efficiency across your pharma or biotech facility.

Enhancing security and efficiency

Utilizing the contactless and hands-free capabilities of the Nymi Band, a singular authentication method not only enhances security but also significantly improves operational efficiency.

This eliminates the need for operators to repetitively input their usernames and passwords or manually apply e-signatures, thereby concurrently mitigating the risk of unauthorized access or security breaches.

Seamless integration and user experience

The Nymi Band's seamless integration with production systems and its user-friendly interface ensures a smooth transition for your workforce.

The intuitive nature of the technology reduces the learning curve, allowing employees to adapt quickly and continue their work with minimal disruption.

Purpose-built for highly regulated environments

The Nymi Band is designed to operate in highly regulated environments, ensuring security, compliance, data integrity, and productivity.

Incorporating Blue Line's extensive industrial knowledge and valuable customer input, our pharmaceutical solutions now seamlessly integrate with RFID authentication using Nymi technology. This integration streamlines production, enhances security, and offers compliance-friendly reporting within pharmaceutical manufacturing facilities.
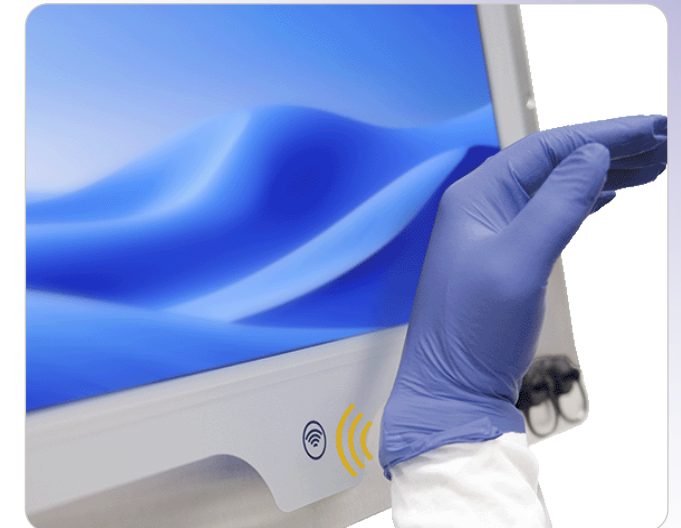
Technology partner

Nymi is a leading company in the field of biometric security, providing stateof-the-art authentication solutions. These solutions guarantee data integrity and offer strong security measures, enabling highly regulated industries to uphold compliance while improving productivity.

Add-ons/
accessories

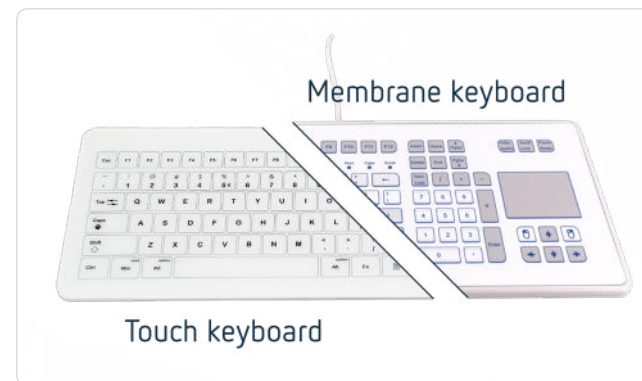**Add-ons**

BLUE LINE
IT for Demanding Environments

Add-ons – Keyboards & mice

Integrated keyboards

Our cleanroom keyboards feature a completely clean and smooth surface for use in sterile environments such as cleanrooms, life science facilities, pharmacies and laboratories.

Membrane keyboard

Touch keyboard

Choose between capacitive touch or tactile membrane keyboard

Hinged keyboards

All keyboards are available in steel housing for mounting in your cleanroom environment. The sealed stainless steel housing can be mounted on walls, HMIs, or machines using adjustable or fixed hinges. Without moving parts, Blue Line's touch keyboards ensure long-term reliability and durability in demanding environments.

Available as hinged keyboard in stainless steel housing
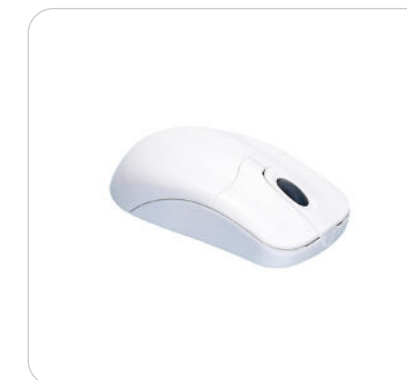
Cleanroom bluetooth keyboard
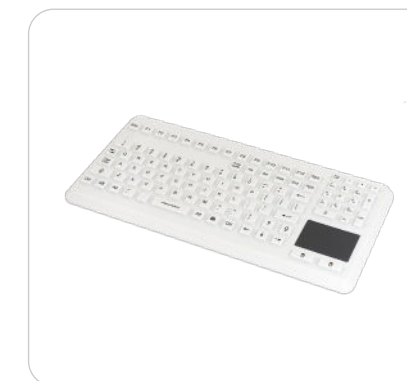
Water- and dustproof keyboard

Cleanroom keyboard in stainless steel housing

Stainless steel keyboard shelf

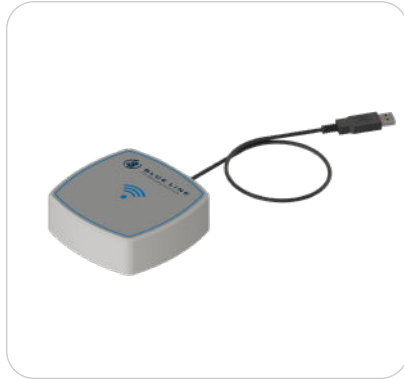Water- and dustproof wireless mouse

Cleanroom laser mouse

Add-ons

Add-ons - For cleanroom HMIs

Nymi-reader

Integrated RFID/NFC reader

Desktop RFID/NFC reader

Wearable Nymi Band

Scanner & scanner mounts

Scanner

Scanner mounting

Scanner mounting

Add-ons - For Mobile Operator Stations

Hot-swappable batteries

Battery charger for 2 batteries

Wide range of table configurations

Compartment box for thin client

Add-ons

Add-ons - For Cleanroom Tablet

The Cleanroom Hub

The Cleanroom Hub is the ultimate solution for charging and wired connectivity. With 1 Ethernet and 3 USB connections, it offers seamless and simultaneous connectivity.
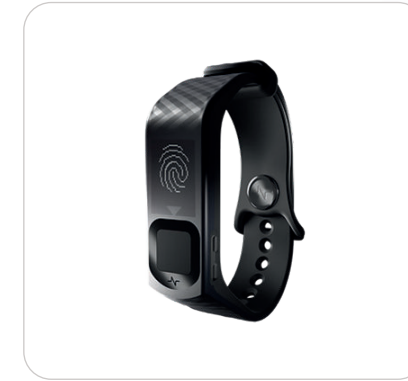
Designed for easy and safe use, it comes with an integrated stand that allows for both horizontal and portrait modes, making it perfect for desktop use. It's also enclosed in a cleaning-friendly IP65-proof casing, ensuring that it's always clean and safe to use.

Nymi-reader

Integrated RFID/NFC reader

Wearable Nymi Band

Charger for 4 tablets

Touch pen - magnetic and light weight

USB-A data cable

Mounting

Holder for desktop, wall or supporting arm – stainless steel 316L

Adjustable gas arm
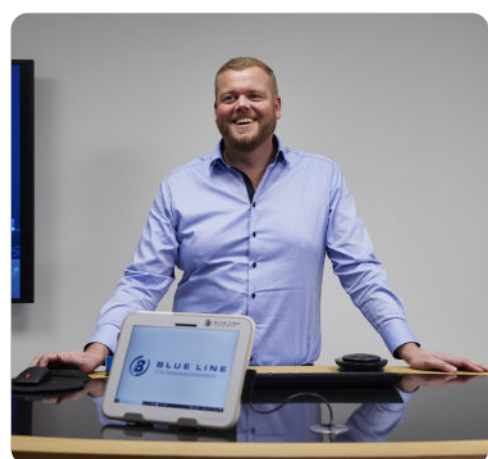

Scanner

Bluetooth keyboard

Laser mouse

About Blue Line

As industry leaders, Blue Line's mission focuses on ensuring uninterrupted performance in environments where traditional IT solutions are not enough.

Sustainable partnerships

One of the key tenets of Blue Line's partner strategy is enabling companies to confidently partner with an organization dedicated to sustainability and integrity. This is reflected in, among other things, our strict ethical standards and a comprehensive Code of Conduct for our suppliers.

Balancing business success with environmental responsibility creates measurable value for our customers. The aim is to implement policies focused on energy efficiency, waste reduction, and recycling. This translates into customers gaining a trusted partner dedicated to quality, sustainability, and positive community impact.

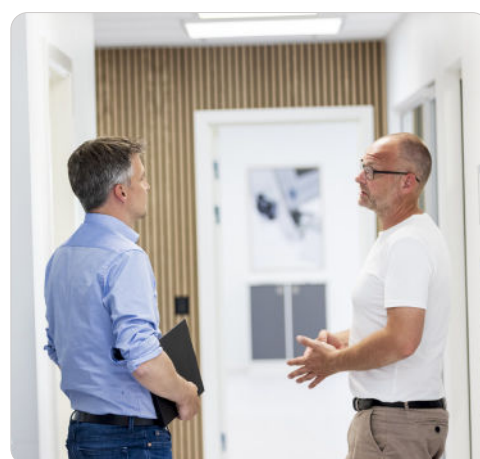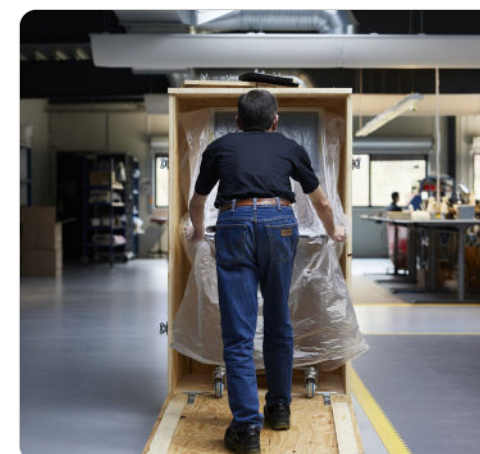## More than three decades of IT excellence

Drawing on more than 35 years of expertise in the rugged IT sector, Blue Line's solutions deliver positive results in customer sites worldwide and cover industries like pharmaceutical, defense, maritime, food production, AI, and automation.

Whatever the industry, your requirements are at the forefront of our solutions. Everything springs from client needs, ensuring products designed in full compliance with all relevant regulations and requirements across multiple industries. Clients benefit from purpose-built technology that addresses their needs while maintaining regulatory compliance.

Expanding reach and capabilities

Since our inception, Blue Line has undergone transformative growth that continues to this day. 2023 saw the establishment of a new headquarters in Hinnerup, Denmark, which quadrupled operational capacity. Then came a strengthening of our Scandinavian presence by expanding into Norway and Sweden, where our focus includes defense, telecom, marine, transportation, and AI/GPU solutions.

The most recent expansion marked a pivotal milestone in Blue Line's global journey, with the establishment of a US subsidiary in North Carolina's Research Triangle Park, positioning us perfectly to support our growing North American customer base.

Framework for mutual succes

Commitment to excellence is reflected in our ISO 9001:2015-rated management system certification, which ensures consistent quality across all of our operations. In addition, a AAA credit rating maintained for 12 years provides clients with assurances of financial stability.

This framework means customers receive reliable products, transparent processes, and a relationship backed by recognized standards – eliminating uncertainty and strengthening the entire value chain.


Securing your delivery time

At Blue Line, we understand the critical importance of proactive delivery planning and transparency with customers. To ensure optimal delivery performance, we've built strategic, long-term partnerships with our subcontractors.

Through substantial investments in our supply chain, customers can avoid the pain of component shortages and severe delivery delays that many industries have experienced in recent years.

Quality and sustainability

At Blue Line, a commitment to quality and sustainability is deeply ingrained in everything we do. It's not just a set of policies, but a fundamental part of our DNA that guides our actions and decisions every day.
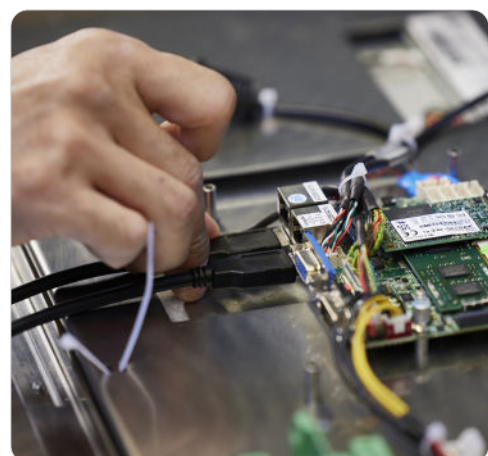
Excellent industry standards

Every year, we review of our goals and policies, ensuring a constant push to be better. This management system is audited annually by DNV, while sustainability performance is assessed by Ecovadis.

Over the past three years, hard work has gone into consistently enhancing this Ecovadis sustainability score. This dedication has paid off — as of April 2024, we're proud to rank among the top 19% of companies assessed. The objective is to further elevate our rating to the prestigious Gold level within the next five years through targeted sustainability initiatives across our operations.

Social responsibility

Commitment to doing business the right way extends to social responsibility as well. We strive to balance the interests of all our stakeholders — from our employees and customers to our suppliers and the communities we operate in. This means fostering a work environment that promotes talent, inclusion, and job satisfaction, while also respecting national legal frameworks and the UN Global Compact principles on human rights and employee rights.

Environmental policy

Reducing environmental impact is a major part of our sustainability efforts. Every Blue Line employee contributes to complying with our environmental policy, which covers focus areas such as energy usage, waste reduction, and recycling. Because we believe that sustainability is a shared responsibility.
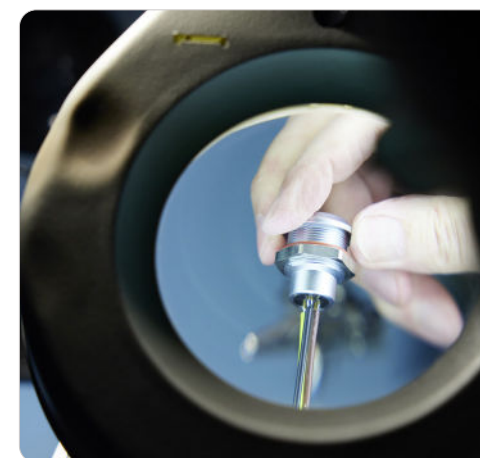
Sustainable sourcing

Sustainable sourcing is another key part of the Blue Line approach. Evaluating the sustainability of our supply chain in various parameters is crucial and therefore we have implemented a Code of Conduct for our suppliers. Working with suppliers who share our commitment to sustainability is a major priority.

Anti-corruption policy

Blue Line maintains a zero-tolerance policy for any form of corruption. Clear anti-corruption guidelines and reporting procedures are in place to ensure the highest standards of business ethics.

Comprehensive policies

To support our commitment to quality, sustainability, and ethical practices, we've established a comprehensive set of policies and procedures. These cover crucial areas like the environment, work conditions, employee rights, inclusion, anti-corruption, and more. These policies are publicly available on our website and audited annually by management to ensure accountability.
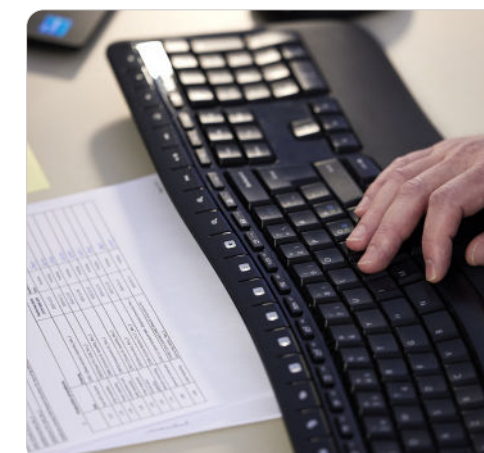
Our values and commitment

Dedication to quality and sustainability isn't just a corporate obligation — it's a heartfelt commitment that is integral to our long-term success. It's about being a trusted partner to our customers, a responsible employer to our team, a fair client to our suppliers, and a positive force in the broader community.

BLUE LINE
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Contact our experts

North & South America

Michael Asmussen
Business Development Manager

T: +45 4412 0383
ma@blue-line.com

Europe & Asia

Ole Sanggaard Knudsen
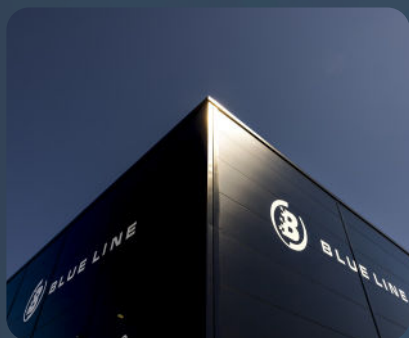Business Development Manager

T: +45 6646 8624
osk@blue-line.com

Denmark

Kim Lindberg
Key Account Manager

T: +45 2225 8746
kl@blue-line.com

Blue Line headquarters

Blue Line A/S
Kappa 8
8382 Hinnerup
Denmark

T: +45 8678 5000
sales@blue-line.com
www.blue-line.com

International offices:

Blue Line IT Inc.
600 Park Offices Drive
Durham, NC 27709
USA

Blue Line Norway AS
Graverengvegen 9
3520 Jevnaker
Norway

Blue Line Sweden AB
Slitvägen 29
132 44 Saltsjö-Boo
Sweden