Flyte™ Steri-Shield®
Personal Protection System

Be comfortable. Be connected. Be protected.
At Stryker, we protect more healthcare workers and patients against hospital-acquired infections than anyone else in our industry. In fact, 85% of all helmet-based personal protection products in the orthopaedic operating suite bear the Stryker name.

At Stryker, we’ve devoted 15 years to pioneering research and development in personal protection for medical environments. And we’ve spent more than a decade supporting the work of surgical teams in the most extreme surgical conditions. The Flyte suit combines all of this into a revolutionary system of personal protection and support for healthcare specialists.

Flyte’s breakthrough design combines superior comfort and support with high levels of protection against contamination, exposure to infectious bodily fluids, and transfer of microorganisms and particulate matter. In addition, the Flyte suit’s integrated illumination and communication features provide cutting edge enhancements aimed towards improving surgical outcomes. Flyte is the most effective barrier Stryker offers against the spread of disease.
Originally developed to support orthopaedic procedures, personal protection equipment has evolved to support a variety of healthcare specialties that demand a high degree of protection, comfort, and confidence.

Surgical Teams
- General Surgeons
- Orthopaedic Surgeons
- Spinal Surgeons
- Cardiac Surgeons
- Vascular Surgeons
- Pulmonary Surgeons
- Neonatal Teams
- Emergency Room Staff
- Tissue-Harvesting Professionals
- Wound Clinic Staff
- Central Sterile
- Examiner/Coroner
## Fabric

**Superior viral barrier**

New, AAMI Level 4, tri-laminate BVB (breathable viral barrier) medical fabric provides an impervious barrier against liquid and viral contamination in critical coverage areas — our highest level of protection against exposure to infectious bodily fluids, and transfer of microorganisms and particulate matter.

**Breathable**

BVB fabric is soft and lightweight. What’s more, it’s breathable beyond anything we’ve ever offered — keeping the healthcare professional cool, dry, and comfortable during long and complex procedures.

**Strong**

The Flyte suit combines the most tear-resistant fabric we’ve ever offered, with sealed seams and a covered zipper to provide a strong, secure barrier against contamination.


## Design

**Ergonomic**

Flyte’s shape follows human contours; its helmet is optimally balanced to reduce neck fatigue, the field of vision is broad and clear, and controls are intuitively located and easy to operate.

**Lightweight**

To keep the user comfortable during long, complex procedures — we’ve stripped weight from every possible component — from deconstructing the helmet to scaling down the battery pack to two-thirds its original weight, without reducing its power.

**Durable**

Helmet is constructed from a tough grade of polypropylene, long-lasting visco-elastic headband, a brushless fan motor, and magnetic closures that outlast Velcro®. These are just some of the ways we’ve designed the Flyte suit to live up to the extreme demands of the surgical suite.


## Support for surgical teams

**Cool and comfortable**

A strong, but quiet, five-speed fan with air nozzles at both top and back of helmet keep the user cool — cooler, in fact, than without a garment at all.

**Clear communication**

Integrated microphone provides hands-free communication for dictation recorders, MP3 players, or other compatible devices, improving communication and productivity.

**Illumination**

Helmet model with a high-intensity LED light emits a cool beam of pure white light, that’s battery powered to eliminate cables and can be repositioned for optimal illumination. Fiber optic helmet models provide powerful illumination via a fiber optic light cable.
Protect your patients. Protect yourself. As caregivers and administrators take a hard look at the costs and causes of hospital-acquired infections, there’s never been a better time to insist upon an effective layer of protection for patients and healthcare workers alike.

Performance standards
The Association for the Advancement of Medical Instrumentation (AAMI) has set material barrier performance standards for surgical material designed to help preserve the sterile field and protect healthcare workers during procedures during which exposure to fluids and other potential infectious material (OPIM) might occur.

Flyte meets AAMI Level 4 protection
Level 4 protection describes surgical gowns and protective apparel that demonstrate the ability to resist liquid and viral penetration in the “critical zones” of a surgical gown. Level 4 means these critical zones of the Flyte toga are fully impervious to liquid and viral penetration.

NOTE: For maximum protection, the Flyte suit (helmet and toga) is designed to be used together and are not designed for use with other products.
The Flyte suit.

The most comfortable and protective garment layer we offer.

Wide, glare-free lens
Impact-resistant lenses are shaped to reduce glare, designed with a 20 percent wider field of vision than previous lenses, and strong enough to withstand repeated wiping. In two styles:
• standard
• peel-away

Sized to fit
We don’t believe in one-size-fits-all surgical garb. We think your surgical garment should fit you correctly—without bulky excess fabric or tugging seams. Flyte togas come in a full range of sizes—from small to XXXL.
Enhanced battery charger
The Flyte charger lets you charge up to eight power packs at a time. Indicator lights show at a glance when a battery pack is fully charged or what level of charge the battery pack holds.

Secure and easy to don
The Flyte one-piece suit combines the most tear-resistant fabric we offer, the strongest seams, and the most effective helmet connection we’ve developed.

Lightweight and breathable
Garments are soft and light. What’s more, they’re incredibly breathable. The fabric won’t trap moisture, keeping the user cool, dry, and comfortable, even during long and complex procedures.

Superior viral barrier
Flyte suits are made from a revolutionary tri-laminate BVB (breathable viral barrier) medical fabric that’s treated for resistance to bacteriophage. It provides AAMI Level 4 protection — an impervious barrier against liquid and viral contamination.

Lighter battery
Our new battery is 38 percent lighter than the original without reducing its power.
The Flyte helmet.

**Our lightest, strongest, and most comfortable helmet ever.**

**Illumination**
- Helmet models available without headlight, with battery-powered LED light, or with fiber optic light; lamps are shrouded to prevent glare
- Light adjustment handle directs headlight beam as desired

**Power**
- Power cable connects helmet to various power cords: standard or optional dictation cord
- Power loss indicator flashes red when power pack has less than 15 minutes of power remaining

**Connections and closures**
- Front helmet hook positions suit for easy donning
- Helmet magnets align and secure suit quickly and easily
Fit
- Headband knob easily adjusts helmet for secure, comfortable fit
- Front flexible air duct extends and retracts to direct air to front of helmet

Controls and communication
- Chinguard controls intuitively located and easy to use
- Wireless microphone connects to dictation device, MP3 player, or other compatible devices
- Audio jack accepts any style earphone
- Communication button toggles microphone on and off
- Microphone indicator illuminates green when microphone is on

Temperature control
- Five-speed fan quietly circulates cool, fresh air throughout the helmet and suit
- Fan control button changes fan speed with push of a button
- Rear air nozzle directs air down the neck and back of suit
For designers at Stryker, the development of Flyte was an opportunity to take Stryker’s 15 years of market leadership in personal protection for the surgical suite and combine it with the latest materials, technology, and ideas. It’s no surprise that the results are revolutionary.

**Design intent...**

**Deconstruct the design**
Our designers began by literally taking the helmet down to its skeletal frame, using strong and lightweight materials, and retaining only the essential elements to keep the helmet light, airy, and cool.

**Prioritize ergonomics**
Flyte’s design is all about the human body. The helmet’s conforming shape and optimal balance reduces neck strain. The lens’ wider profile increases peripheral vision by as much as 20 percent. Adjustments and controls are easy to use and located right where you’d expect. Every shape, contour, button, and connection was designed with the user in mind.

**Eliminate the sauna effect**
Keeping medical professionals cool and comfortable for as long as conditions demand was a top priority. To realize that objective, our designers introduced a powerful five-speed fan with dual air nozzles and selected a highly impervious fabric that’s breathable and won’t trap moisture.

**Rethink the garment**
We thought the toga should don easily, align automatically, and offer comfortable performance. And the Flyte toga does just that. It hooks to the helmet and magnetically aligns and seals to it to provide a secure, AAMI Level 4 protective barrier for patients and healthcare professionals, while still offering breathable performance. And since healthcare professionals don’t come in one size, we developed a full range of sizes to ensure a correct, comfortable fit for all users.

**Stay connected**
Our designers made it simple and easy to connect to the world outside the surgical suite. Simply plug in your dictation recorder, MP3 player, or other communication device and you’re wired for sound in and sound out.

**Make it last**
Surgical helmets get tossed around, dropped, kicked, and stepped on, and that’s on a good day. That’s why we used a tough grade of polypropylene, a brushless fan motor that’s known to last, and magnetic closure seals that outlast Velcro.

**The result:** a breakthrough design that sets a new standard for personal protection in healthcare environments.
Steri-Shield Flyte Personal Protection System

**Helmet and Accessories**
- 408-600-000  Helmet, Flyte
- 408-645-000  Helmet, Flyte w/ LED Light
- 408-635-000  Helmet, Flyte w/ Fiber Optic Light
- 408-600-300  Flyte Power Cord
- 408-605-300  Flyte Dictation Cord

**FLYTE Power Pack, Charger and Accessories**
- 408-660-000  Power Pack
- 408-655-000  Charger, 120v
- 408-655-300  Charger Module
- 408-655-200  Charger Software Upgrade Kit

**FLYTE Toga, Zippered**
- 408-810-000  Small/Med (9 per case)
- 408-820-000  Large (9 per case)
- 408-830-000  X Large (9 per case)
- 408-840-000  2XLarge (8 per case)
- 408-850-000  3XLarge (8 per case)

**FLYTE Toga, Zippered Peelaway**
- 408-810-100  Small/Med (9 per case)
- 408-820-100  Large (9 per case)
- 408-830-100  X Large (9 per case)
- 408-840-100  2XLarge (8 per case)
- 408-850-100  3XLarge (8 per case)

**FLYTE Toga, Pullover**
- 408-710-000  Small/Med (11 per case)
- 408-720-000  Large (11 per case)
- 408-730-000  X Large (10 per case)
- 408-740-000  2XLarge (9 per case)
- 408-750-000  3XLarge (9 per case)
- 408-210-000  Sweat Bands (8 sets per case)

**FLYTE Hood**
- 408-800-000  Hood, Flyte (32 per case)
- 408-800-100  Hood, Flyte, Peelaway (32 per case)
- 408-800-200  Hood, Flyte, S95 (28 per case)

To order, contact Stryker Instruments customer service.
800.253.3210

www.stryker.com
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