

stryker®

Surgical

Flyte® Steri-Shield® Personal Protection System

Be comfortable. Be connected. Be protected.



Flyte[®] Steri-Shield[®]

Personal Protection System

Protection and support for the most demanding healthcare applications.

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.

The Flyte suit'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. The Flyte suit is the most effective barrier Stryker offers against the spread of disease.

At Stryker, we protect more healthcare workers and patients than anyone else in our industry. **In fact, 90% of all helmet-based personal protection products in the orthopaedic operating suite bear the Stryker name.**





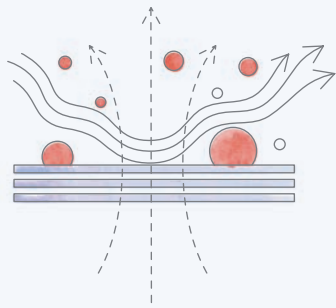
Surgical Teams
General Surgeons
Orthopaedic Surgeons
Spinal Surgeons
Cardiac Surgeons
Vascular Surgeons
Pulmonary Surgeons
Neonatal Teams
Emergency Room Staff
Tissue-Harvesting Professionals
Wound Clinic Staff
Central Sterile
Examiner/Coroner

Originally developed to support orthopaedic procedures, personal protection equipment has evolved to support a variety of health care **specialties that demand a high degree of protection, comfort, and confidence.**

Why surgical teams like **Flyte**.

Personal Protection System

Fabric



Superior viral barrier

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

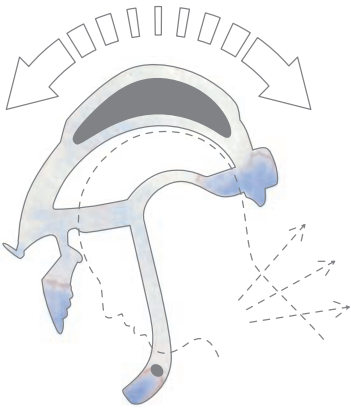
Breathable

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

The Flyte helmet'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.

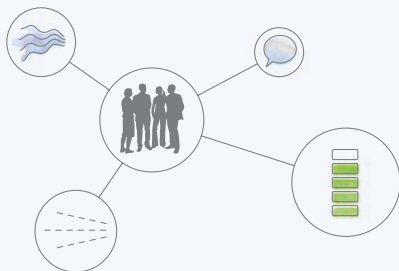
Lightweight

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, six-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.

AAMI Level 4 – because it's time for superior protection

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.

What is AAMI?

The Association for the Advancement of Medical Instrumentation (AAMI), a nonprofit organization founded in 1967, is a unique alliance of nearly 7,000 members from around the world united by the common goal of increasing the understanding and beneficial use of medical

instrumentation. AAMI is the primary resource for the industry, the professions, and government for national and international standards.

What is AAMI PB70:2012 Liquid Barrier Performance and Classification of Protective Apparel and Drapes Intended for Use in Health Care Facilities?

This standard was developed by the AAMI Protective Barriers Committee. It establishes a system of classification for protective apparel such as the Flyte toga, based on their liquid barrier performance. Barrier efficacy has long been recognized as important in helping to prevent infections and is now mandated

by Occupational Safety and Health Administration (OSHA) regulations limiting occupational exposure to blood borne pathogens (29 CFR 1910.1030). The Centers for Disease Control and Prevention's Guideline for the Prevention of Surgical Site Infection also sets forth the recommendation that drapes and gowns be impermeable to liquids and viruses.

Under AAMI PB70:2012, a surgical garment may be categorized as Level 1, Level 2, Level 3, or Level 4.

For a complete copy of AAMI PB70:2012, visit their website at www.aami.org.

Flyte togas are classified as AAMI Level 4, the highest rating possible.

Levels of classification for surgical gowns under AAMI PB70:2012:

Level 4 – Gowns

Surgical gowns and protective apparel with critical zones that demonstrate the ability to resist liquid and viral penetration in a laboratory test, ASTM F1671 (Standard test method for resistance of materials used in protective clothing to prevent penetration by blood-borne pathogens using Phi-X174 bacteriophage penetration as a test system).

Level 3 – Gowns and Drapes

Describes surgical gowns, other protective apparel, surgical drapes, and drape accessories that demonstrate the ability to resist liquid penetration in two laboratory tests, AATCC 42 (Water resistance: Impact penetration test) and AATCC 127 (Water resistance: Hydrostatic pressure test). For Level 3, the test criterion for AATCC 127 performance is set at a higher value than for Level 2.

Level 2 – Gowns and Drapes

Describes surgical gowns, other protective apparel, surgical drapes, and drape accessories that demonstrate the ability to resist liquid penetration in two laboratory tests, AATCC 42 (Water resistance: Impact penetration test) and AATCC 127 (Water resistance: Hydrostatic pressure test).

Level 1 – Gowns and Drapes

Describes surgical gowns, other protective apparel, surgical drapes, and drape accessories that demonstrate the ability to resist liquid penetration in a laboratory test, AATCC 42 (Water resistance: Impact penetration test).

The critical zones on the Flyte toga pass the ASTM F1671 for viral penetration test for AAMI Level 4.

The Flyte **suit.**

The most comfortable and protective garment layer we offer.



Wide, reduced glare 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.

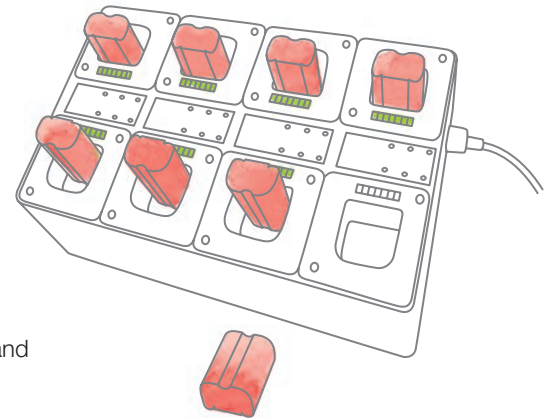


Secure and easy to don

The Flyte one-piece suit combines the most tear-resistant fabric we offer, the most water resistant seams, and the most effective helmet connection we've developed.

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.



Lightweight and breathable

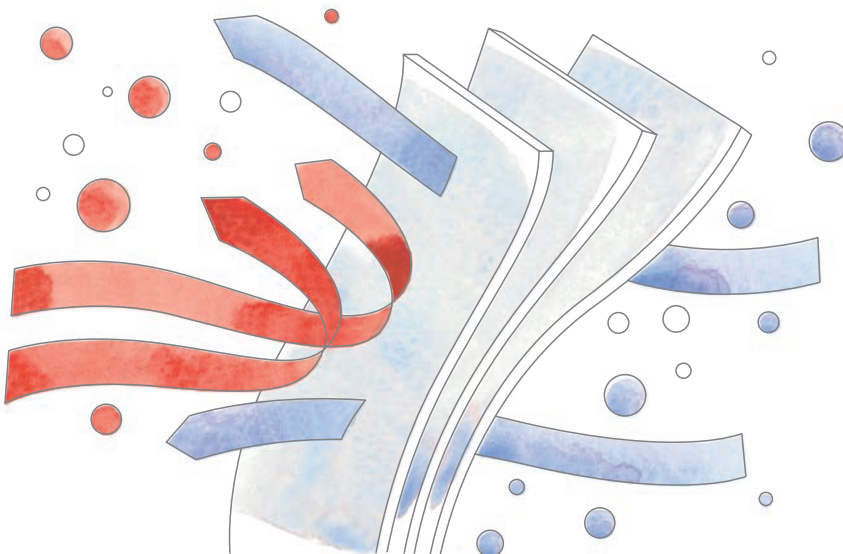
Garments are soft and light. What's more, they're incredibly breathable. The fabric won't trap moisture, keeping the user cool, dry, and comfortable, even during long and complex procedures.

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 — a superior barrier against liquid and viral contamination.

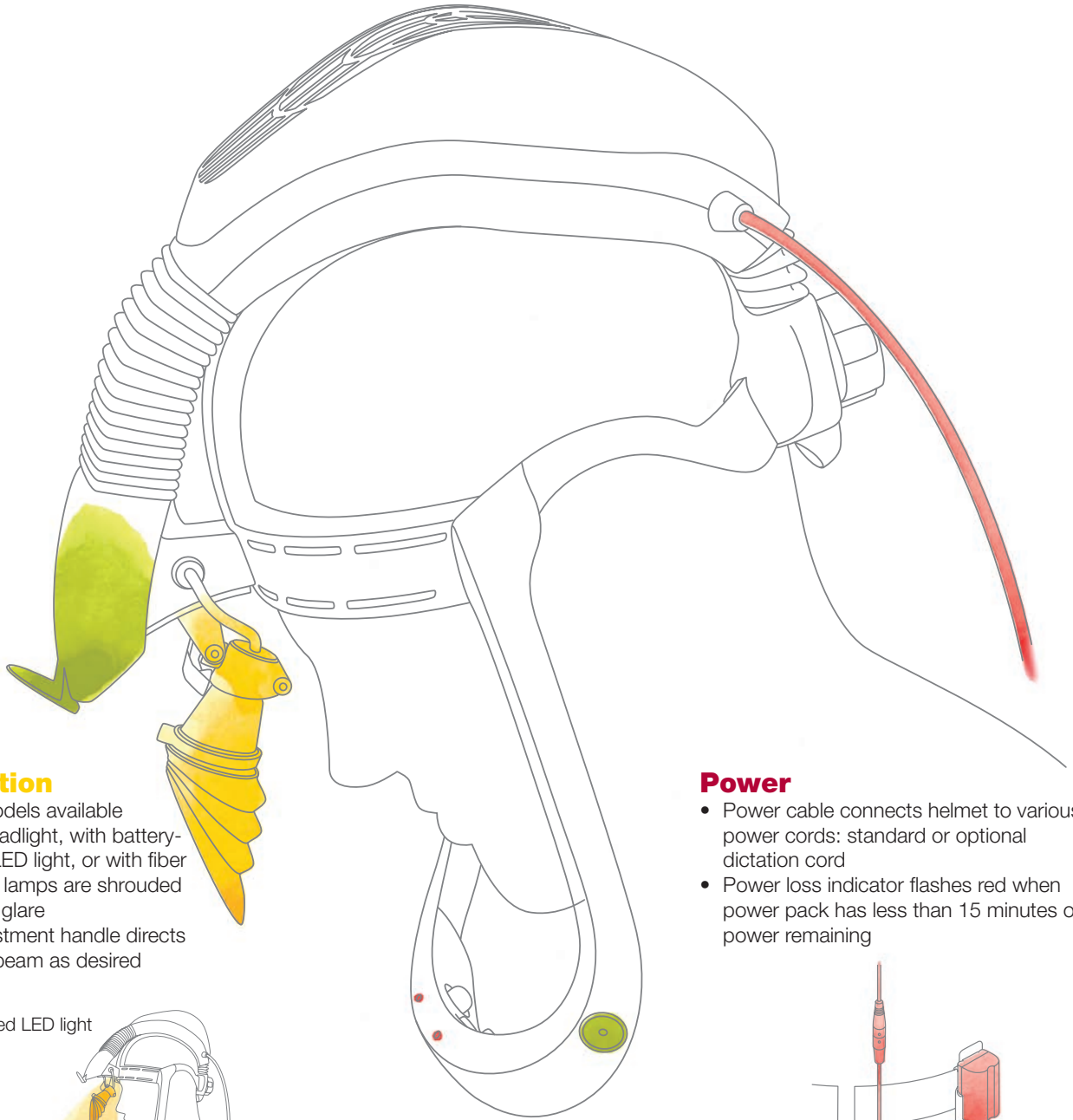
Lighter battery

Our new battery is 37 percent lighter than the original without reducing its power.



The Flyte **helmet.**

Our lightest, strongest, and most comfortable helmet ever.



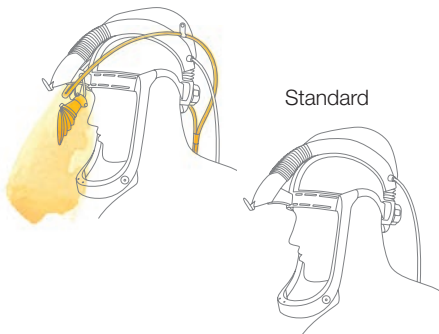
Illumination

- 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

Battery-powered LED light



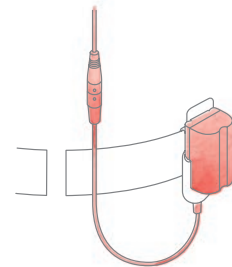
Fiber optic light



Standard

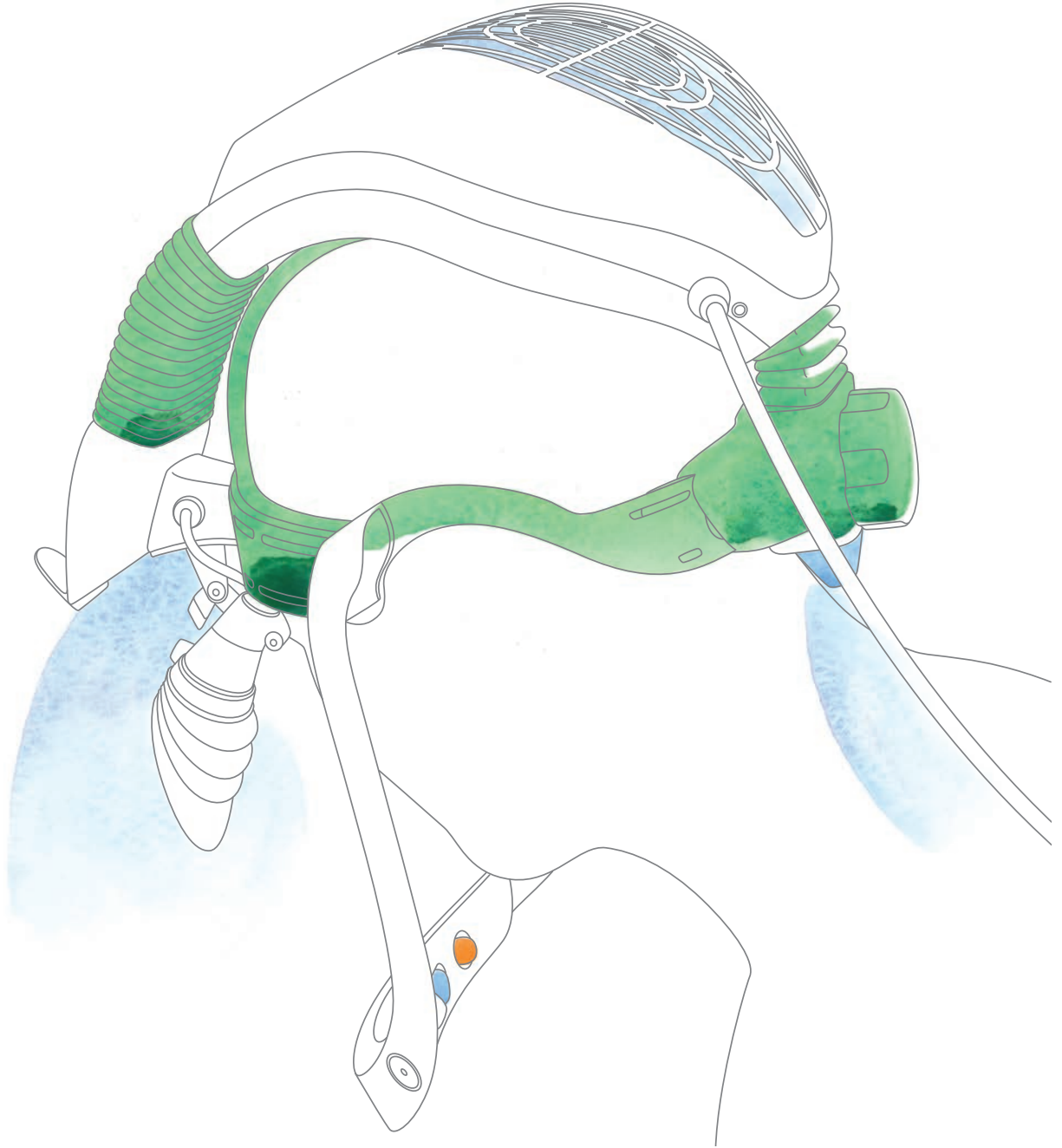
Power

- 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

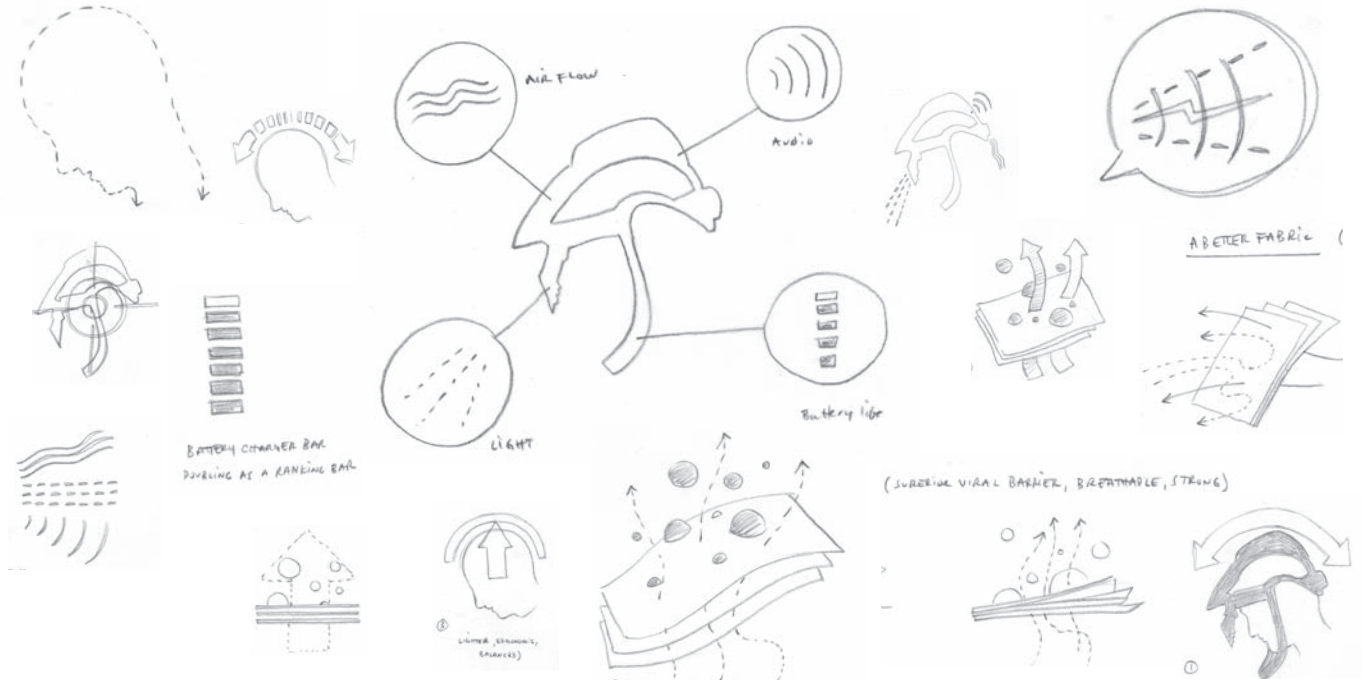
- Six-speed fan quietly circulates cool, fresh air throughout the helmet and suit
- Fan control button changes fan speed with push of a button



- Rear air nozzle directs air down the neck and back of suit

Engineering the Flyte System.

For designers at Stryker, the development of the Flyte system 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

The Flyte helmet 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 six-speed fan with dual air nozzles and selected a highly fluid resistant fabric that's breathable and moisture resistant.

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 help 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 the standard for personal protection in healthcare environments.

To order, contact Stryker
Instruments customer service.
800.253.3210

www.stryker.com

Steri-Shield Flyte Personal Protection System

Helmet and Accessories

- 0408-600-000** Helmet, Flyte (1)
- 0408-635-000** Helmet, Flyte w/ Fiber Optic Light (1)
- 0408-645-000** Helmet, Flyte w/ LED Light (1)
- 0408-600-300** Power Cord, Flyte (1)
- 0408-605-300** Dictation Cord, Flyte (1)
- 0408-666-000** Power Pack (1)

FLYTE Toga, Zippered

- 0408-820-000** Large (9 per case)
- 0408-830-000** X Large (9 per case)
- 0408-840-000** 2XLarge (8 per case)
- 0408-850-000** 3XLarge (8 per case)

FLYTE Toga, Zippered Peelaway

- 0408-820-100** Large (9 per case)
- 0408-830-100** X Large (9 per case)
- 0408-840-100** 2XLarge (8 per case)
- 0408-850-100** 3XLarge (8 per case)

FLYTE Toga, Pullover

- 0408-720-000** Large (11 per case)
- 0408-730-000** X Large (10 per case)
- 0408-740-000** 2XLarge (9 per case)
- 0408-750-000** 3XLarge (9 per case)

FLYTE Hood

- 0408-800-400** Hood, Flyte (32 per case)
- 0408-800-500** Hood, Flyte, Peelaway (32 per case)



Reconstructive

Hips
Knees
Trauma & Extremities
Joint Preservation
Orthobiologics

Medical & Surgical

Power Tools & Surgical Accessories
Image Guided Navigation
Endoscopy & Arthroscopy
Integrated Communications
Beds, Stretchers & EMS
Sustainability Solutions

Neurotechnology & Spine

Craniomaxillofacial
Interventional Spine
Neurosurgical, Spine & ENT
Neurovascular
Spinal Implants

The information presented here is intended to demonstrate the breadth of Stryker product offerings. Always refer to the package insert, product label and/or user instructions before using any Stryker product. Products may not be available in all markets. Product availability is subject to the regulatory or medical practices that govern individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

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