

# Sharpsmart

The world's safest sharps management system

CLINICALLY PROVEN



**Sharpsmart**  
MAKING HEALTHCARE SAFER

# Sharpsmart

Tested to the ISO 23907-2:2019 standard, the Sharpsmart system is the world's safest and most environmentally responsible sharps management solution

Peer reviewed in four independent studies and relied on by healthcare facilities around the world, the patented Sharpsmart system is driven by a single objective - **To Save Lives.**

Results from the largest international study of sharps containment systems were published in 2003 in the British Journal of Hospital Infection.

These findings below showed a dramatic reduction in sharps injuries:

Container related sharps injuries	↓	87%
Other sharps injuries	↓	26%
Total sharps injuries	↓	33%



## Protecting staff, patients & visitors.



As well as pain and stress, a sharps injury carries with it the potential of acquiring up to 20 bloodborne infections. Some can be treated with relative ease and carry little threat, but viruses such as Hepatitis B, C and HIV can be life-threatening, with 1 of 3 people contracting Hepatitis B from a sharps accident, and at least 4 UK healthcare workers known to have died following occupationally-acquired HIV.

From its intelligent safety features to a wide range of accessories designed to enhance safe surgical practice within all hospital departments, the Sharpsmart safety engineered system has been meticulously designed with the safety of your staff, patients and visitors in mind.



In November 2015, we replaced our disposable sharps bin with Sharpsmart bins. The amount of clinical waste we send for incineration has reduced to 14% of our clinical waste – a saving of **10 tonnes** a year, just by removing the plastic containers."

**Philip Watson**  
Facilities Manager | Yeovil District Hospital

# Sustainability

Sharpsmart UK is a company committed to ecological sustainability and safe environmental practices. Our safety engineered products and waste processing solutions are designed for minimum environmental impact.

In 2015, The Peterborough and Stamford NHS Foundation Trust were proud winners of a coveted Green Apple Waste Management Award. The infographic on the right shows how Sharpsmart has helped them achieve Gold in their day-to-day waste disposal:

## Sharpsmart Statistics



The Peterborough and Stamford NHS Foundation Trust  
DATA EXTRACTED FROM PEER REVIEWED, PUBLISHED STUDIES

Reducing the Trust's carbon footprint by a staggering **82.8 tonnes** per year

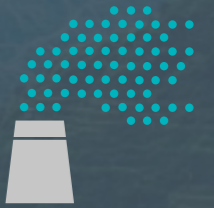


The Sharpsmart container has a **10 year** life span

Which means no further containers will be required to be manufactured for the Trust until **2020**



This will prevent a further... **750 tonnes** of CO<sub>2</sub>e from being produced



Which is the equivalent to the amount of greenhouse gas emissions from... **1,833,741 miles** driven by an average passenger vehicle



# Sharpsmart Models

Born out of 5 years of research, the engineered precision of Sharpsmart's safety-led design (tested to ISO 23907-2:2019) sets it apart as the world's first sharps container qualified and proven to be an engineered safety device. Navigating the complexity of sharps disposal safety risks and very serious threat of bloodborne pathogens being acquired via sharps injuries, Sharpsmart is designed with thirteen unique safety features, each minimising the disposal risk of sharp items used in human and animal medical applications.

## SIZES



S14

S22

S32

S64

HEIGHT: 280mm  
WIDTH: 395mm  
DEPTH: 210mm  
CAPACITY: 6.5L

HEIGHT: 440mm  
WIDTH: 395mm  
DEPTH: 210mm  
CAPACITY: 14.5L

HEIGHT: 610mm  
WIDTH: 395mm  
DEPTH: 210mm  
CAPACITY: 23.5L

HEIGHT: 726mm  
WIDTH: 398mm  
DEPTH: 354mm  
CAPACITY: 47L

Ideal for patient room use and lighter sharps volume areas.

Best suited to moderate volume areas and drug trolleys.

Developed for high volume areas and ideal for use with Cartsmart 1 & floor stand mounting options.

The reusable C64 system sets new standards in infection control, environmental efficiency, logistics and compliance.

## OPENING TYPES



### REGULAR

The regular Sharpsmart collector is fitted with an engineered maximum sensitivity safety tray. The safety-tilt mechanism is activated by the weight of the waste in a single swing action, and releases away from the user to ensure safe disposal.



### ACCESS PLUS

Designed for secure areas where unrestricted deposit of sharps is required, the Access Plus collector features a full opening lid without a tray to provide full access to the container.

# Waste Types

At Sharpsmart, we understand the importance of perpetual compliance with CQC Guidance and 2012 Controlled Waste Regulations. The Sharpsmart safety engineered sharps system is available in a wide range of sizes and colours to accommodate each sharps waste type.



The Sharpsmart container is a superior product with significant safety features and I have no reservations in recommending it.

**Sheila Morgan**

Clinical Nurse, Specialist Infection Control  
The Freeman and Royal Victoria Trusts, Newcastle

## Non-medicinally Contaminated Sharps

Sharps which are contaminated with potentially infectious bodily fluids with **no medicines or chemicals present**. This waste is disposed of using alternative treatment or clinical incineration at an authorised facility

Available Sizes:

REGULAR

14 22 32

ACCESS PLUS

14 22 32



## Medicinally Contaminated Sharps

Sharps which are contaminated with potentially infectious bodily fluids **with medicines or chemicals present**. This waste is disposed of using clinical incineration or treatment at an authorised facility.

Available Sizes:

REGULAR

14 22 32

ACCESS PLUS

32



## Cytotoxic / Cytostatic Contaminated Sharps

Sharps which are contaminated with cytotoxic and/or cytostatic medicines. This waste is disposed of using clinical incineration at an authorised facility.

Available Sizes:

REGULAR

14 22 32

ACCESS PLUS

32



## Non-Hazardous Waste Medicines

For the bulk disposal of non-hazardous waste medicines. This waste is disposed of using clinical incineration at an authorised facility.

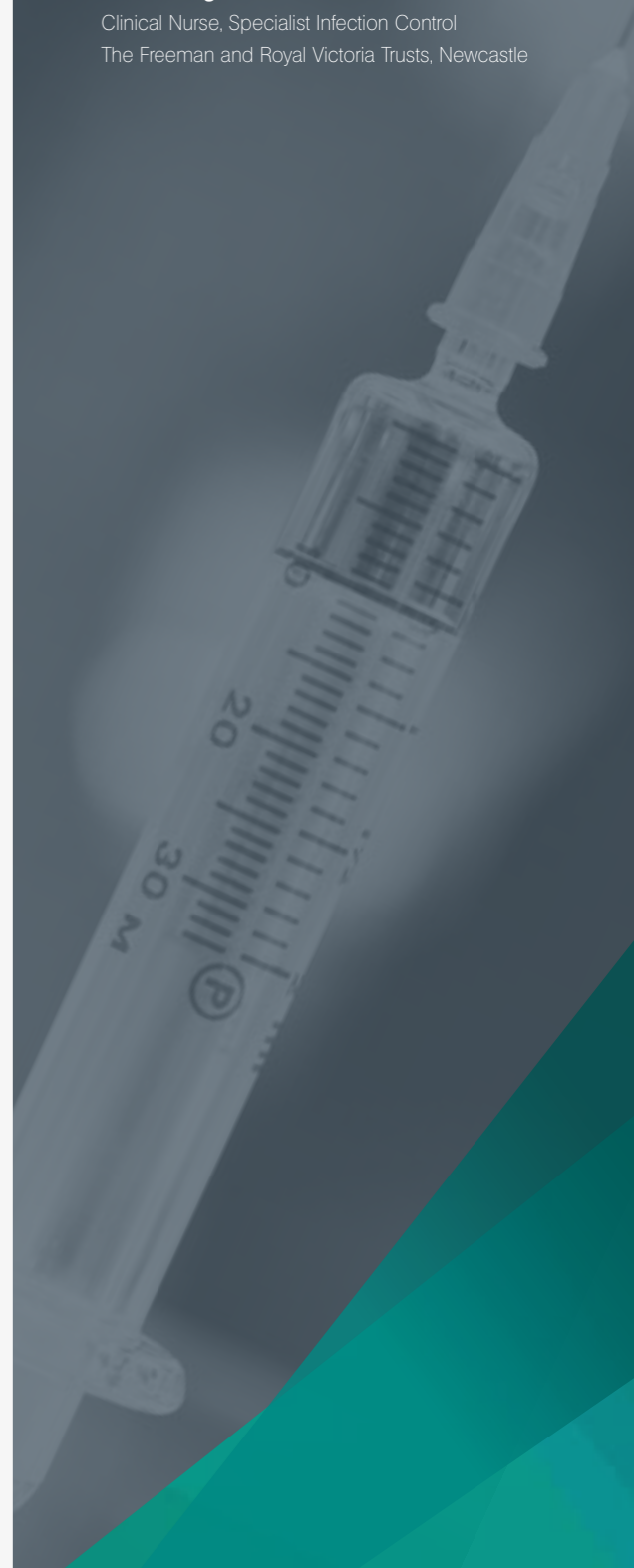
Available Sizes:

REGULAR

14 22 32

ACCESS PLUS

32



# The Cost of a Needlestick Injury

Sharps injuries not only incur substantial financial implications for medical institutions, they also impose a huge emotional burden on healthcare workers and families.

“For 26 years, I was a staff nurse and loved my practice. But one day, I was stuck with a needle protruding from a sharps container. I didn’t know it then, but my life was changed forever that day. A few months later, I learned that the fatigue, weight loss and other symptoms I was experiencing were due to exposure to bloodborne pathogens from that needlestick.

In the beginning I didn’t know if I’d survive or what my life would be like. I had to leave bedside nursing. One thing I was sure of is that my injury was preventable, and I didn’t want to see this happen to anyone else.”

**Karen Daley** PhD, MPH, RN, FAAN  
President | American Nurses Association

“

Most people within the NHS will look back and wonder how we managed without Sharpsmart. The planning that went into ensuring the transition was smooth and well worth the effort, with fewer staff exposed to used sharps – let alone injuring themselves with them.

**Linda Hawtin**  
Specialist in Infection Control,  
James Paget Hospital

Partner with us in  
saving lives.



# Sharpsmart

## Features & Benefits

The Sharpsmart system has been scientifically proven to be the world's safest and most environmentally responsible sharps management solution.

With over 5 years of research invested into its design and engineering, the Sharpsmart container is manufactured to precise tolerances to ensure that all safety mechanisms are functional on each and every container. In its design and proven studies, the Sharpsmart is more than just a sharps container, it is an engineered safety device which eliminates risk of container-related sharps injury, and minimises the impact on the environment.

Peer reviewed and documented in numerous publications globally, the Sharpsmart system has proven greater reduction in sharps injuries than any other sharps containment system in the world.



## Safe disposal in a single action:

The Sharpsmart collector has been strategically engineered to minimise risk by enabling single-action sharps disposal:

▶ The maximum sensitivity safety tray is activated by the weight of the waste with a single swing action.



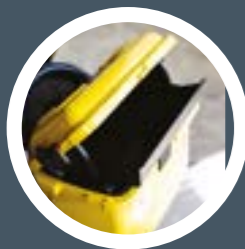
▶ The safety-tilt mechanism releases the waste safely into the collector away from the user.



▶ When static or in motion, the swing-action safety tray effectively conceals the aperture of the collector to ensure no hands ever come into contact with contaminated sharps.



▶ The gravity balanced mechanism of the tray resets to an open safe-disposal position after each use until the collector is full.



### WIDE OPENING

The optimal access geometry of the lid opening with a wide aperture for large/awkward sharps minimises disposal-related injuries & restricts hand access to the contained waste.



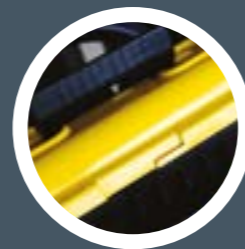
### CHECK CONTENTS LEVEL

A clearview window identifies the fill level of the container, a feature unique to Sharpsmart containers.



### ELIMINATES OVERFILLING

Once the container is full, the in-built safety tray is activated into an upright closed position to restrict access and overfilling.



### MAXIMUM STRENGTH HARDENED PLASTIC

The medical grade hardened plastic casing of the Sharpsmart container is completely impenetrable by contained sharps. The Sharpsmart container has been proven to withstand an amazing 500 cycles, a testament to its durability, sterility and re-usability.



### CANNOT BE REOPENED

Side locks are tamper-proof when engaged. This safety feature prevents unauthorised access to the container contents.



### NO LEAKS

A liquid seal fixed around the rim of the container lid eliminates leakage of bodily fluids during transport. Container leakage is a common hazard with sharps containers that aren't equipped with a leakproof seal.

# Sharpsmart Circle of Safety



## SMART, SAFE DELIVERY SYSTEM

Sharpsmart collectors arrive preassembled, thereby eliminating:

- Waste from cardboard packaging
- Container assembly time
- Sharps injuries caused by incorrectly assembled containers



## SHARPS COLLECTORS WHERE YOU NEED THEM

Sharpsmart waste specialists will advise on the best systems for your facility, incorporating:

- Collector sizes and locations to optimise changeover frequency
- Purpose designed interchangeable brackets, trolleys and storage solutions to maximise logistical efficiencies and enable point-of-use disposal
- Education, support and training of staff



## PROTECTING STAFF AND PATIENTS

The Sharpsmart patented swing-action safety tray:

- Provides a 300mm wide unhindered opening to allow large sharps to be deposited without force
- Eliminates hand access to discarded sharps
- Eliminates overfilling by defaulting to a closed position once sharps volume reaches the fill line
- In secure areas, including operating rooms and laboratories, where bulky sharps are used or rapid deposition is required, the Access Plus Sharpsmart range optimises volume, efficiency and safety requirements



## SAFER WHEN FULL

When full, the safety tray swings into an upright position to prevent overfilling and risk of sharps injury from protruding sharps. Added safety features of the Sharpsmart collector include:

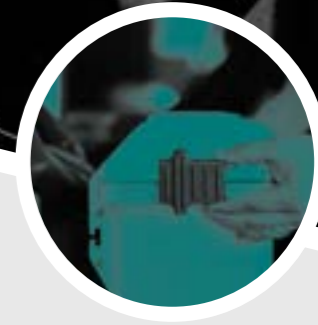
- Unique tamper-proof locks
- Side locks which, once engaged, prevent the collector from being re-opened manually
- Leakproof seals prevent risk of leakage during movement



## NO RISKS IN TRANSIT

Sharpsmart ensures the highest standards of safety and service even after full Sharpsmart collectors have been removed from your premises:

- Purpose-built bulk delivery carts enable efficient handling of Sharpsmart collectors within your facility
- Purpose-built bulk transporters transport Sharpsmart collectors from your facility to ensure that they are kept permanently upright and elevated from the ground to avoid damage, contamination and spillage
- Sharpsmart containers meet the packaging requirements for the transport of Dangerous Goods



## QUALITY CONTROL CHECKS BEFORE THE CYCLE STARTS

Rigorous quality checks are carried out on each Sharpsmart collector before they are returned to service. These include:

- Washsmart robotic cleaning process which has been tested to prove a 10<sup>6</sup> log reduction in bacterial load
- Manual cleanliness checks
- Manual functionality checks

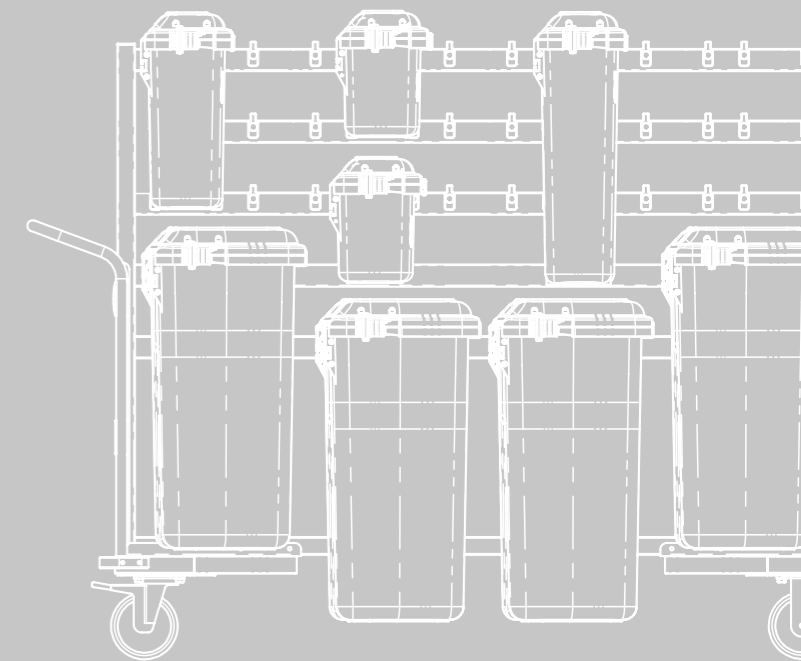


## ECO-FRIENDLY

Environmentally friendly detergent is used during the six stage robotic washing process. The Sharpsmart automated washline does not require harmful chemicals to achieve its high degree of microbiological efficacy.



# Position. Storage. Movement.



Our interchangeable Sharpsmart & Accessory systems are designed not only to achieve optimum versatility but also to champion safe handling for hospital staff and reduce the risk of infection. All of our mounting and logistical accessories ensure that Sharpsmart containers are always suspended from the ground, and the maneuverability of our transport accessories take the risk out of waste handling.

**The Sharpsmart containers are not just a sharps waste receptacle,** they are part of an engineered risk-averse solution that manages waste from cradle to grave with the highest safety and environmental standards ever evidenced in the medical industry.

Engineered to optimise space, overcome logistical challenges, and enable point-of-use disposal, the Sharpsmart suite of clinical products and accessories are designed as an end-to-end solution, providing safe and seamless transitions between different work environments and applications.

The three signature designs exclusive to Sharpsmart which enable logistical versatility and space optimisation are the Sharpsmart peg system, mounting bracket and rail locks. These three systems form the genesis of all our accessory designs.



# Sharpsmart Mounting Options

# Sharpsmart Storage & Logistics

## ORDER CODE

### Standard Cradle (410)

Easy to install design simply hooks over rail on trolley to allow Sharpsmart containers to face inwards or outwards. Rugged, non-rust stainless steel construction.

**Compatibility:** S14, S22 Regular and Access Plus sizes



### Mounted Cradle (409)

Identical concept and design as Standard Cradle, but with additional mounting plate to attach Cradle to a wide variety of trolley designs.

**Compatibility:** S14, S22 Regular and Access Plus sizes



### Backing Plate - Small 19" (1430) | Large 21" (1431)

Stainless steel backing plate to facilitate the attachment of mounted cradles to procedure/drugs trolleys. Fixing via legs of trolley to give a central location of the Sharpsmart Unit.

**Compatibility:** TBA



### Standard Wall Bracket (1401)

Universal bracket enabling wall mounting of Sharpsmart range. Bracket kit comes with screws and hole-plugs. For wall mounting of Access Plus Sharpsmarts, see Access Plus bracket.

**Compatibility:** S14, S22 and S32 Regular sizes



### Wall Bracket - Access Plus (402)

Designed for wall mounting of the Sharpsmart Access Plus range to allow 90-degree lid opening.

**Compatibility:** S14, S22, S32 Access Plus sizes



### Locking Wall Bracket (Left Hand - 413, Right Hand - 414)

For use in areas where secure, key lock mounting of Sharpsmart containers is required.

**Compatibility:** S14, S22 and S32 Regular sizes



### Bench Bracket - S14 (403) and S22 (404)

Provides secure stabilisation of S14 and S22 Sharpsmart containers on a benchtop.

**Compatibility:** S14 (403) | S22 (404)



### Static Floor Stand - SS SERIES (1407) and 64 SERIES (416)

Designed for stable floor mounting of all Sharpsmart models. Stainless steel and plastic construction is tough and easy to clean.

**Compatibility:** S14, S22, S32 S Series (1407) | 64 Series (404)



The Sharpsmart suite of bracketing and transportation accessories have been engineered to achieve maximum versatility, optimise space, and overcome logistical challenges within clinical environments. Designed with a small footprint to fit into space-restrictive areas, the Sharpsmart trolleys and floorstands are fitted with a standard mounting bracket which gives optimum versatility for point-of-use and enables efficient movement of containers.

### Cartsmart 1 (301)

Enables convenient, mobile mounting of Sharpsmart containers. Can be purchased with Cleanzone tray to provide an ANTT workstation at any bedside.

**Compatibility:** All Sharpsmart Regular and Access Plus sizes, Cleanzone tray.



### Cartsmart 1 with Cleanzone Tray (1402)

Cartsmart with Cleanzone tray to provide an ANTT workstation at any bedside.

**Compatibility:** All Sharpsmart Regular and Access Plus sizes.



### Cleanzone Bracket (1406)

The Cleanzone Bracket is used to support the Cleanzone tray and can be installed to any Cartsmart unit.



### Cleanzone Tray (1400)

The Cleanzone Tray is a reusable robust, polypropylene tray, supporting the ANTT procedure.



### Cartsmart 2 (302)

Accommodates any two Sharpsmart units for convenient mobile disposal of bulk and/or high volume sharps (can also accommodate Cleanzone tray on request). Suitable for S14/22/32 units.

**Compatibility:** All Sharpsmart Regular and Access Plus Sizes



### Soft Close Accessmart (304)

Designed for the 64 Series containers, this foot-pedal operated trolley also has the added versatility of being fitted with a side mounting bracket to hold Sharpsmart S14 and S22 regular containers.

**Access Smart Trolley Compatibility:** 64 Series containers

**S-Series Side Bracket Compatibility:** S14, S22 regular only



### 64 Dynamic Floor Stand (415)

The C64 Dynamic 'foot pedal' Floor Stand allows a C64 series container to be operated through the use of a foot-pedal mechanism.

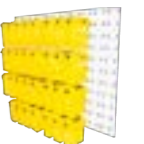
**Compatibility:** All C64 series containers.



### Wallsmart (1480)

Custom made hook storage system for Sharpsmart containers, to support accessible, efficient and a clean structure to house stock.

**Compatibility:** All Sharpsmart Regular and Access Plus sizes



### Wallsmart Mini (1485)

A wall mounted locking system for holding up to 3 sharpsmart containers. Standard panel size: 152mm(H) x 672mm(W)

**Compatibility:** All Sharpsmart Regular and Access Plus sizes



### Internal Delivery Cart (1490)

Delivery cart with rubber buffers and brakes for movement of Sharpsmart containers within a healthcare facility. To tailor to your needs, additional features are available upon request.

**Compatibility:** All Sharpsmart Regular and Access Plus size containers.





## Sharpsmart. A paradigm shift in healthcare waste management.

Established in 1986, Sharpsmart has been shaping and redefining safe waste practices for over three decades. A family owned business, Sharpsmart was born out of a passion for minimising the risks exposed to healthcare professionals from unsafe sharps handling practices, and this passionate aspiration remains a cornerstone of the company's practices thirty years on. From small practices to large medical facilities, our scaleable business model ensures that every customer receives:

- ▶ Leadership, advocacy and innovation for safer hospital waste practices
- ▶ Products that benchmark the highest standards of staff and patient safety
- ▶ Environmentally conscious transport and treatment alternatives
- ▶ Solutions that ensure minimum disruption to patient care and medical proceedings
- ▶ Timely scheduled services with reliable service technicians
- ▶ A client relationship that is authentic, trustworthy and empowering



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