

# What are Sharpsmart's Features & Benefits?

- 1 Clearview Window**

Enables sharps to be seen when in contact with window – no unsightly blood via see-through container.
- 2 Ergonomic Strong Handle**

Facilitates carriage away from body; fibreglass-polymer mix enables high strength for safety during manual transport.
- 3 Extra-large Aperture**

Enables safe deposit of awkward or large sharps. Has proven superior to smaller apertures in peer reviewed study.<sup>1</sup>
- 4 Collector Wall Strength**

High quality ABS polymer eliminates sharps injuries from sharps penetrating walls or lid; Also enables long life and prolonged product attractiveness.
- 5 Horizontal Drop Aperture**

Enables sharps to enter aperture with greater safety and stack more efficiently in collector-base.
- 6 No Cabinet Necessary**

Sharpsmart ABS plastic maintains product attractiveness and discreetly hides contents. The Sharpsmart is replaced clean every exchange. Eliminates cabinet soiling, cleaning, pathogen retention, and key-finding.
- 7 Pre-assembled**

No difficult-to-assemble containers, no unsafe gaps from incorrectly assembled containers; no lids detaching from bases when full; less exchange time.
- 8 Tray Sensitivity**



Patented tray enables very light sharps to be self-deposited safely down into collector; reduces risk of “protrusion” sharps injuries from aperture-retained sharps.
- 9 Hand-entry Restriction**

Patented tray restricts hand entry – reduces risk of sharps or drug diversion; reduces risk of inquisitive child hand entry.
- 10 Leakproof**

When closed and locked, neoprene seal in lid (present in all Sharpsmarts) ensures liquids are securely contained, no matter what the orientation of the collector.



## What are Sharpsmarts' Features & Benefits?

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- 11 Tamper-proof Locks**

Cannot be opened manually once closed. Enables complete peace of mind from closure to contents-disposal.
  - 12 Temporary Closures**

Enables easy and safe temporary closure whenever necessary or whenever moved for use at another site.
  - 13 Siting of Side Locks**

Enables safe closure without hands being above or in front of aperture – reduces “protrusion” sharps injuries.
  - 14 Stackable**

Raised edges on top and bottom enables ergonomic and stable stacking in unique 90° configuration.
  - 15 Overfill Protection**

Patented tray locks in upright position when full. Eliminates sharps injuries from overfilled containers.
  - 16 Universal Bracket**

One bracket fits all designs and sizes in Sharpsmart family – enables size-changes to be made without involving maintenance staff to change bracket.
  - 17 Lockable Bracketry**

When required by law or local requirements, lockable wall brackets are available – With left or right locks.
  - 18 Engineered Carts**

Proprietary engineered Cartsmarts are designed for safe, wheeled transport of 1 or 2 Sharpsmarts and other clinical accessories and sharps-related items.
  - 19 Convoluted Base**

Enables scalpels, blades, etc., to be easily dislodged during automated jet-washing.
  - 20 Smartguard Coating**

Daniels proprietary coating applied as final stage of wash process, enables easy removal of fluids and soils to ensure thorough cleaning.
  - 21 Toppo-resistance**

Vertical wall design increases topple-resistance in Sharpsmart family – increases spillage-safety during use.
  - 22 Automated washing**

Proprietary Washsmart process enables hands-free, safe and thorough decontamination achieving a 6-Log reduction of pathogen challenge.

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### 23 High-level Disinfection

Washsmart multi-stage process encompasses high-pressure cold, warm and scald washes and hospital-grade disinfectant to achieve high-level disinfection.

### 24 10 point QA

Occurs on every individual Sharpsmart AFTER the Washsmart process – ensures thoroughly cleaned, intact, fully functional and compliant collectors are delivered.

### 25 External Transporter

Proprietary, task-designed, sealable transporters hold up to 72 Sharpsmarts collectors for safe, compliant transport of clean collectors to clients.

### 26 Internal Transporter

Proprietary, task-designed, labour-efficient transporters are available for internal Sharpsmart exchanges.

### 27 Sharpsmart Walls

Proprietary, multi-bracket shelving is available for space-efficient, safe hanging of spare Sharpsmarts where required.

### 28 Tough construction

Unique design and high-quality polymer ensure Sharpsmarts are extremely strong – even taking the weight of a 120kg human without breaking.

### 29 Certified Safe

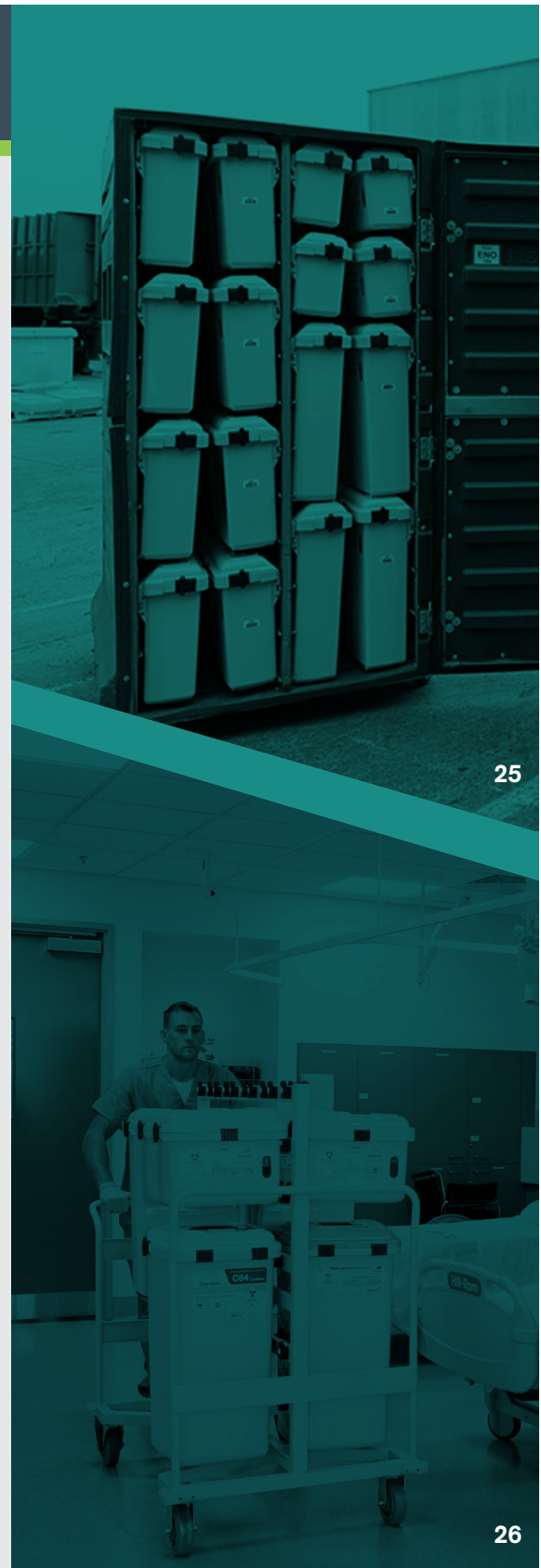
Sharpsmarts are certified to Canadian, Australian, ISO, UK sharps container standards and UN-ADG, FDA, OSHA and DOT requirements – ensuring high sharps protection for clients.

### 30 Proven Safe

The Sharpsmart family is proven in 3 internationally published peer-reviewed studies, to significantly reduce sharps injuries.<sup>1-3</sup>

### 31 Environmentally Safe

Sharpsmarts have been shown in internationally published peer-reviewed studies, to significantly reduce the carbon footprint of a facility's sharps waste stream by 65-85%,<sup>4-5</sup> and reduce waste volumes.<sup>6</sup>



1. Grimmond T and Naisoro W. Sharps injury reduction: A 6-year, 3-phase study comparing use of a small patient-room sharps disposal container with a larger engineered container. J Infect Prev 2014;15 (5):170-174. | 2. Grimmond T, Bylund S, Anglea C, et al. Sharps injury reduction using a sharps container with enhanced engineering: A 28 hospital nonrandomized intervention and cohort study. Am J Infect Control 2010;38:799-805. | 3. Grimmond T, Rings T, Taylor C, Creech R, R. Kampen R, W. Kable W, et al. Sharps Injury Reduction Using Sharpsmart – A Reusable Sharps Management System. J Hosp Infect 2003;54(3): 232-238 | 4. Grimmond T and Reiner S. Impact on Carbon Footprint: An LCA of Disposable vs Reusable Sharps Containers in a Large US Hospital. Waste Management & Research 2012;30:639-642. | 5. McPherson B, Sharip M and Grimmond. The Impact on Global Warming Potential of Converting to Reusable Sharps Containers in a Large US hospital Geographically Distant from Polymer and Container Manufacture. Submitted to Waste Man & Res, Feb 2017. | 6. De Sousa F, Martin D and Grimmond T. The impact of a liner-less reusable clinical waste bin system on costs, waste volumes and infection risk in an Australian acute-care hospital. Healthcare Infection, 2014, 19, 76–80. <http://dx.doi.org/10.1071/HL113048>.