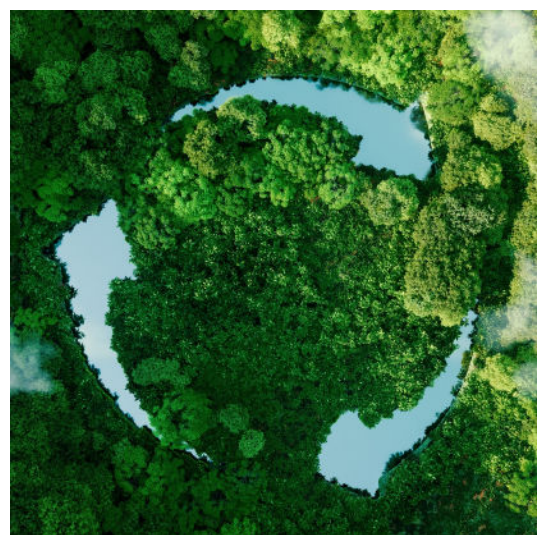




Bio-based medical devices, surgical packaging, and products for healthcare.



Product Catalog



Reduce Single-Use Plastic



Eliminate Chemicals of Concern



Lower Scope 3 Category Carbon

Products designed by NewGen Surgical in California, USA

Our Mission



In 2012, NewGen Surgical set out on a mission to design quality single-use medical devices and products with sustainable materials.

With a growing concern around climate change and environmental pollution, we made it our mission – and our business – to redesign single-use plastic medical devices to reduce or eliminate plastic in healthcare products. After years of working with nurses, O.R. staff, and physicians in the operating room, we found that healthcare’s significant contribution to the climate crisis was a concern we all shared. Using our experience with experts in the medical field, we reimagined single-use plastic disposable products made with upcycled, sustainable materials that deliver excellent clinical performance.

Value of Sustainability



The annual use of plastics in healthcare is estimated at 15 million tons globally and this is expected to grow to 48 billion pounds by 2025¹

Using single-use plastic O.R. essentials come at a high price to the environment, and we pay with detrimental health effects on our communities and people, especially the most vulnerable.

At every stage of its lifecycle, plastic poses distinct risks to human health. Major greenhouse gases (GHG) emissions from production include sulfur oxides, nitrous oxides, methanol, ethylene oxide, and volatile organic compounds.¹ 148 chemicals are present in plastic or used in manufacturing have been identified as hazardous to human health and the environment.²

Replacing your single-use plastic products with bio-based, clinically developed medical devices and O.R. essentials:



Reduces single-use plastic³



Reduces CO₂e³



PFAS free⁴



Free of intentionally added BPA or BPA derived plastics, mercury, phthalates, and PVC³

¹Ecologycenter.org ². Chemtrust.org . ³When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ⁴ Validated by SGS North America.

The NewGen Difference



Our innovative product design takes an agricultural byproduct and upcycles it into a sustainable healthcare solution.



- 1. Sugarcane**, considered one of the regenerative crops on the planet, is harvested. Sugarcane reduces CO₂ in the atmosphere due to carbon sequestration; as it grows, sugarcane absorbs CO₂.¹
- 2. Bagasse** is the by-product or 'waste' after sugar production, and this plant-based fiber goes through a thermoforming process to create the finished products.
- 3. Smart Sustainable Design™** is a process focused on clinical performance, sustainability, and cost.

¹Bagasse FAQ by Rakesh Rathore. CO₂e is a measure that was created by the United Nations' Intergovernmental Panel on Climate Change (IPCC).

Embracing a **circular** Economic model



The healthcare supply chain usually flows in one direction, from manufacturer to user to waste bin. And the current healthcare waste management process is built to accommodate the plastics-intensive supply chain. Almost everything negotiated on behalf of the hospital to provide quality patient care will end up in a waste stream.

- Move from linear to circular
- Move consumable single-use products and packaging to the biological cycle



¹Ecologycenter.org ². Chemtrust.org . ³When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ⁴ Validated by SGS North America.

Surgical Skin Stapler



Sustainable Design



The skin stapler handle and lever:

- 100% renewable bio-based material¹
- Reduces CO₂e by over 50%²
- 69% plastic reduction by weight²
- Free of intentionally added BPA or BPA-derived plastics, mercury, phthalates, and PVC³
- PFAS-free³

Clinical Performance

- Ergonomically designed for ease of use
- Easy to see staple remaining indicator
- 35 Surgical stainless-steel staples
- Consistent, reliable staple formation
- Alignment indicator designed for accurate staple placement
- Quality assurance – each device functionally tested

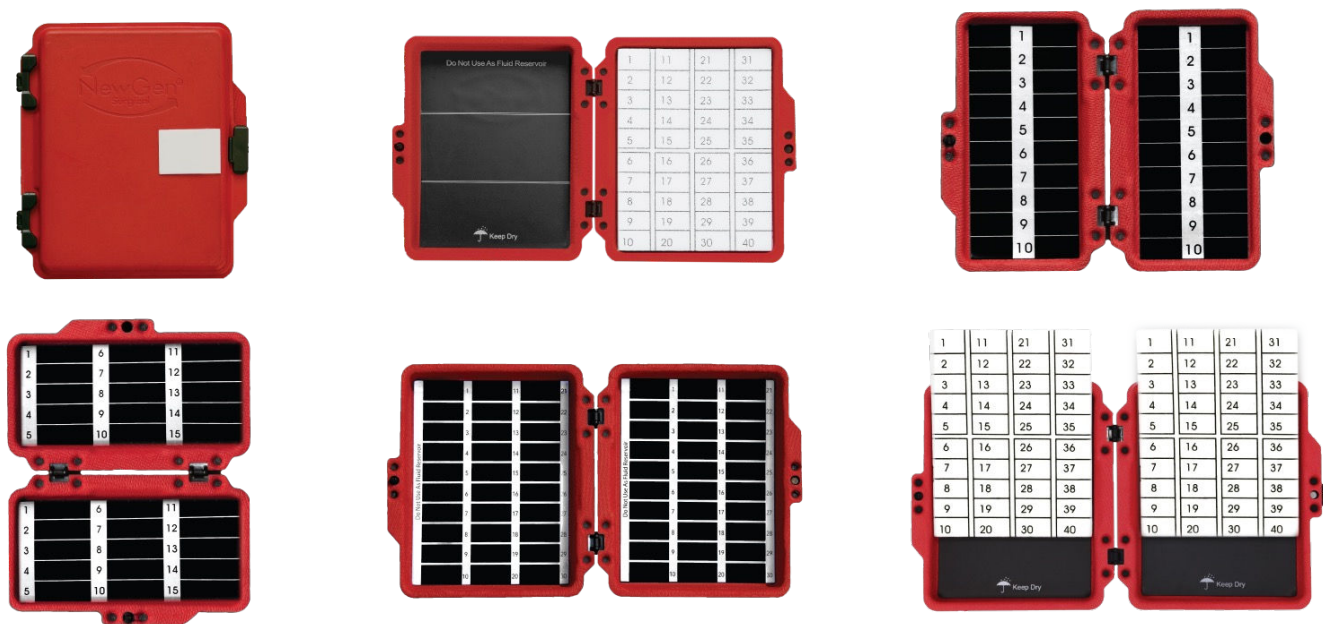


# of Staples	Size	Closed Position	Wire Diameter
35	12.0 x 3.3 mm	6.9 x 3.9 mm	0.58 mm
			

Product Code	Description	Units of Measure
NGS35W-24	Stapler, skin, 35 wide, sterile, EPP/sustainable	6 ea/bx, 4 bx/cs
NGS35W-90NS	Stapler, skin, 35 wide, non-sterile, EPP/sustainable	90 ea/cs

US Patents: D804053, D853582, D895839. ¹Bio-based material percentage is tested and verified through the USDA BioPreferred Program. ²When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ³Validated by SGS North America.

Needle Counters



Sustainable Design

The needle counter box:

- 100% renewable bio-based material¹
- Reduces CO₂e by 25% - 50% ²
- 89-95% plastic reduction by weight²
- Free of intentionally added BPA or BPA-derived plastics, mercury, phthalates, and PVC ³
- PFAS-free ³

Clinical Performance

- Easy-to-read numbers for securing needles
- Secure closure with audible feedback
- Adhesive tabs secure to any workspace
- Full-surface magnet provides space for larger needles and blades
- Supports safe sharps handling
- Easy to separate



Product Code	Description	Units of Measure
NGSNC40FMMA-48	Needle counter, 40 count, foam block, double magnet, adhesive tabs, sterile, EPP/sustainable	12 ea/bx, 4 bx/cs
NGSNC20FMA-180NS	Needle counter, 20 count, foam block, magnet, adhesive tabs, non-sterile, EPP / sustainable	180 ea/cs
NGSNC20MA-360NS	Needle counter, 20 count, double magnet, adhesive tabs, non-sterile, EPP/sustainable	360 ea/cs
NGSNC30MA-360NS	Needle counter, 30 count, double magnet, adhesive tabs, non-sterile, EPP/sustainable	360 ea/cs
NGSNC40FMMA-90NS	Needle counter, 40 count, foam block, double magnet, outer adhesive tabs, non-sterile, EPP/sustainable	90 ea/cs
NGSNC60MA-90NS	Needle counter, 30-60 count, double magnet, outer adhesive tabs, non-sterile, EPP/sustainable	90 ea/cs
NGSNC80FFMMA-90NS	Needle counter, 40-80 count, double foam, double magnet, outer adhesive tabs, non-sterile, EPP/sustainable	90 ea/cs
NGSNC100FMMA-90NS	Needle counter, 100 count, foam block, double magnet, adhesive tabs, non-sterile, EPP/sustainable	90 ea/cs

US Patents: D804053, D853582, D895839. ¹Bio-based material percentage is tested and verified through the USDA BioPreferred Program. ²When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ³Validated by SGS North America.

Ring Basin, 5500cc/ml



Sustainable Design

- 100% renewable bio-based material¹
- Reduces CO₂e by over 80%²
- 92% plastic reduction by weight²
- Free of intentionally added BPA or BPA-derived plastics, mercury, phthalates, and PVC³
- PFAS-free³

Clinical Performance

- Designed for use in procedures to hold fluids and medical supplies
- Rim notches and inner ring designed to stabilize instruments
- Coated with biocompatible film
- Durable and strong
- EO Sterilizable
- Validated to hold warm water, cold water, saline, and betadine for up to 12 hours



Product Code	Description	Units of Measure
NGS5500RBE-80NS	Basin, ring, 5500cc, non-sterile, EPP/sustainable	80 ea/cs

US Patent D896369. ¹Bio-based material percentage is tested and verified through the USDA BioPreferred Program. ²When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ³Validated by SGS North America.

Sponge Bowl, 1000cc/ml



Sustainable Design

- 100% renewable bio-based material¹
- Reduces CO₂e by 75%²
- 84% plastic reduction by weight²
- Free of intentionally added BPA or BPA-derived plastics, mercury, phthalates, and PVC³
- PFAS-free³

Clinical Performance

- Designed for use in procedures to hold fluids and medical supplies
- Coated with biocompatible film
- Durable and strong
- Easy to see graduations; milliliter and cubic centimeter
- EO Sterilizable
- Validated to hold warm water, cold water, saline, and betadine for up to 12 hours



Product Code	Description	Units of Measure
NGS32SB-400NS	Bowl, sponge, 32oz, non-sterile, EPP/sustainable	400 ea/cs

¹Bio-based material percentage is tested and verified through the USDA BioPreferred Program. ²When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ³Validated by SGS North America.

Emesis Basin/Kidney Dish, 700cc/ml



Sustainable Design

- 100% renewable bio-based material¹
- Reduces CO₂e by over 80%²
- 89% plastic reduction by weight²
- Free of intentionally added BPA or BPA-derived plastics, mercury, phthalates, and PVC³
- PFAS-free³

Clinical Performance

- Designed for use in procedures to hold fluids and medical supplies
- Coated with biocompatible film
- Durable and strong
- Easy to see graduations; milliliter and cubic centimeter
- EO Sterilizable
- Validated to hold warm water, cold water, saline, and betadine for up to 12 hours



Product Code	Description	Units of Measure
NGS700EB-250NS	Basin, emesis, 700cc, non-sterile, EPP/sustainable	250 ea/cs

¹Bio-based material percentage is tested and verified through the USDA BioPreferred Program. ²When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ³Validated by SGS North America.

One-Compartment Tray



Sustainable Design

- 88% renewable bio-based material¹
- Reduces CO₂e by 82%²
- 90% plastic reduction by weight²
- Free of intentionally added BPA or BPA-derived plastics, mercury, phthalates, and PVC³
- PFAS-free³

Clinical Performance

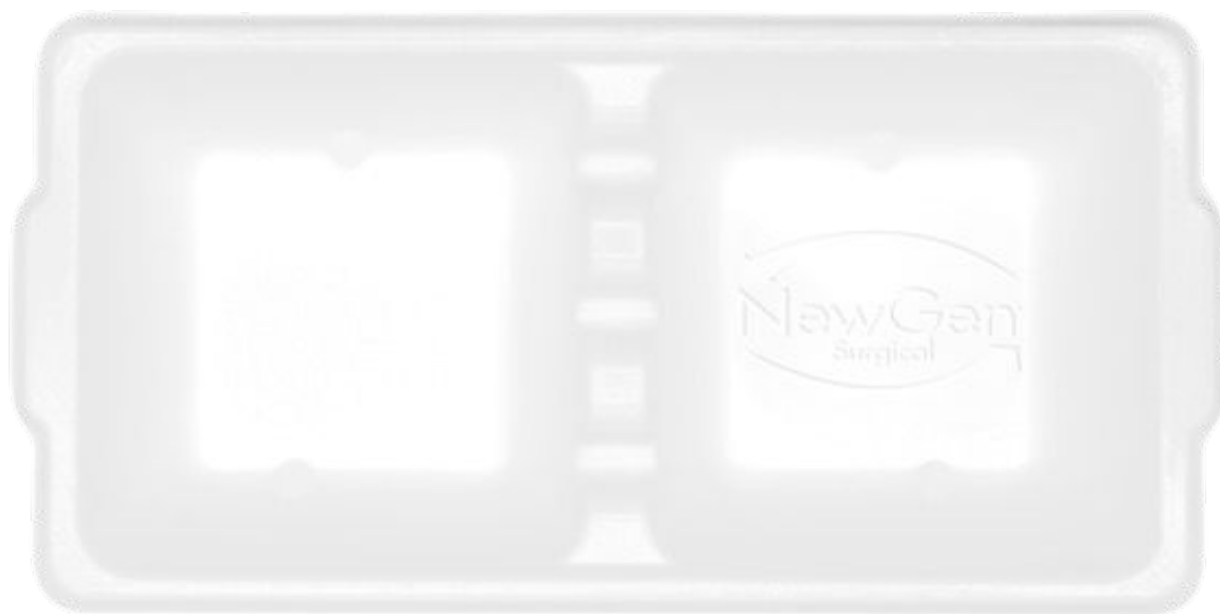
- Designed for use in procedures to hold fluids and medical supplies
- Coated with biocompatible film
- Durable and strong
- EO Sterilizable



Product Code	Description	Units of Measure
NGS1CT-250NS	Tray, one-compartment, 9.25" x 4.75" x 2.00", non-sterile, EPP/sustainable	250 ea/cs

¹Bio-based material percentage is tested and verified through the USDA BioPreferred Program. ²When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ³Validated by SGS North America.

Two-Compartment Tray



Sustainable Design

- 88% renewable bio-based material¹
- Reduces CO₂e by 81%²
- 89% plastic reduction by weight²
- Free of intentionally added BPA or BPA-derived plastics, mercury, phthalates, and PVC³
- PFAS-free³

Clinical Performance

- Designed for use in procedures to hold fluids and medical supplies
- Coated with biocompatible film
- Durable and strong
- EO Sterilizable



Product Code	Description	Units of Measure
NGS2CT-250NS	Tray, two-compartment, 8.50" x 4.25" x 1.88", non-sterile, EPP/sustainable	250 ea/cs

¹Bio-based material percentage is tested and verified through the USDA BioPreferred Program. ²When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ³Validated by SGS North America.

Procedure Kit Packaging Trays



Sustainable Design

- 100% renewable bio-based material¹
- Reduces CO₂e by over 55%²
- 100% plastic reduction by weight²
- Free of intentionally added BPA or BPA-derived plastics, mercury, phthalates, and PVC³
- PFAS-free³

Clinical Performance

- Designed for the healthcare industry procedure and surgical packs
- Ridged surface allows for easier grasping or gathering of products
- Smooth edges that maintain the integrity of wraps, pouches, and bags
- Durable and strong
- EO Sterilizable



Product Code	Description	Units of Measure
NGSPT2014-CS	Procedure kit packaging tray, extra-large shallow, 20" x 14" x 0.75", non-sterile, EPP/sustainable	100 ea/cs
NGSPT1814-CS	Procedure kit packaging tray, medium-large shallow, 18" x 14" x 0.75", non-sterile, EPP/sustainable	100 ea/cs
NGSPT1612-CS	Procedure kit packaging tray, large shallow, 16" x 12" x 0.75", non-sterile, EPP/sustainable	200 ea/cs
NGSPT1109-CS	Procedure kit packaging tray, medium shallow, 11.25" x 9.25" x 0.48", non-sterile, EPP/sustainable	200 ea/cs

US Patent D945638, D884920. ¹Bio-based material percentage is tested and verified through the USDA BioPreferred Program. ²When compared to a similar leading product made with plastic. Plastic and carbon reductions are validated through the Small Change, Big Impact EPP Program created in conjunction with Environmental & Public Health Consulting. ³Validated by SGS North America.

What you buy has **impact**



Considering the environmental impact as part of your procurement strategies contribute to healthier communities close to home and across the world. Together we are making a difference - one product is one step closer to greener operations for today and tomorrow.

Calculate Track Report



Small Change Big Impact Program.

This powerful tool keeps track and reports the single-use plastic waste and the CO₂e reduced with the use of NewGen Surgical products. Monthly, or quarterly, customers can receive customized reports to use in communication and internal reporting.

Contact us



Take the next step in integrating sustainably designed, bio-based medical devices and surgical products into your operations today.

Clinical evaluation

Contact us to discuss a product evaluation – kchase@newgensurgical.com

Custom procedure kits

NewGen Surgical products are clinically designed for use in the surgical arena.

Product Samples

Request a sample by emailing to info@newgensurgical.com or by clicking [here](#). Most major distributors and custom surgical kit manufacturers sell NewGen Surgical products. Please call your representative about our products for your surgical pack needs.

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