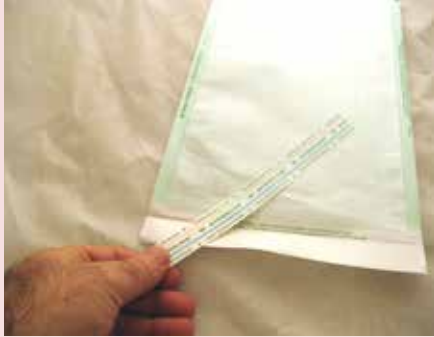




Healthmark Industries Company

# Sterilization Packaging

*A complete line of sterilization packaging, accessories and indicators engineered to the highest standards world-wide*



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# The Striking® Story

## The Striking® Story Quality You Can Not Tear Into

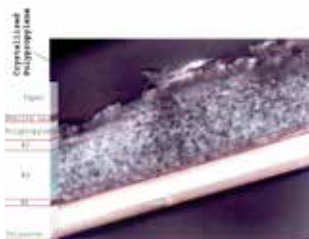
### • The Packaging Failure Paradox

Packaging failures are of two types: bursting during sterilization and film tear and/or paper shear when opening a package. Bursting is the result of inadequate seal strength between the plastic laminate and the medical grade paper. Tearing and shearing is the result of a laminate that is weaker than the seal strength between the laminate and the paper. Thus the paradox - a strong seal strength can lead to tearing of a weak laminate. A seal weak enough to protect the laminate, is more likely to burst under the radical pressure changes imposed by modern pre-vacuum sterilizers. The key to reducing failure is a stronger laminate.

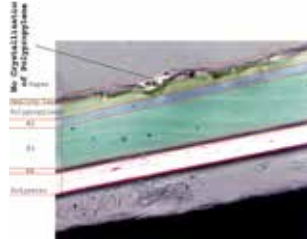
like elastomers that have excellent elasticity and tensile strength. The result is a laminate that is far less likely to tear than conventional laminates.

### • A Strong Laminate Means a Strong Seal

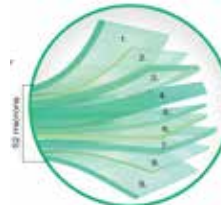
Remember the paradox - the stronger the seal, the less likely the bursting, but the more likely the tearing? The superior tensile strength of Multi-X9® now makes possible greater seal strength without tearing. The seal strengths of the Striking® Multi-X9® packaging are higher than those required by international standards and than those of competitive products. The result - a greatly reduced incidence of bursting.



**Standard 2-ply Pouch after Sterilization**  
After heat exposure, conventional film demonstrates a clear increase in crystallization.

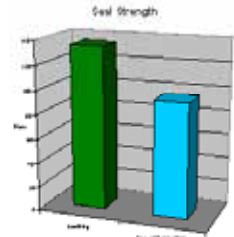


**Multi-X9® Pouch after Sterilization**  
After heat exposure, the Multi-X9 demonstrates very limited crystallization.



The 9 Layers

1. DuPont® heat resistant outer layer
2. TIE layer
3. PP woven layer
4. PP woven coated body layer
5. PP body layer
6. PP woven layer
7. PP woven reinforcing layer
8. PP woven layer
9. PP woven inner layer



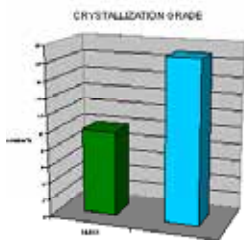
When compared to competitive brands of packaging, the seal strength of Striking® is 40% -60% stronger

### • How Does Laminate Weaken?

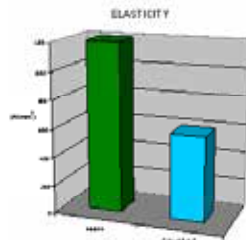
Conventional packaging laminate is made of two layers of polypropylene. When exposed to the high heat of steam sterilization, polypropylene crystallizes. This crystallization makes the material more brittle reducing the tensile strength of the laminate. This significantly increases the chance for tearing or shearing.

### • The Final Key to Superior Strength - High-Weight Medical Paper

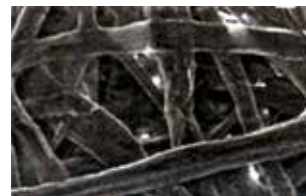
Striking® manufactured with 70 gram paper. Most other brands utilize 60 gram. Why is this important? Heavier weight paper has 5% better tensile strength when dry and more importantly 17% when wet! This means improved tear strength. Water repellency and air permanence are also superior with 70 gram paper.



Multi-X9 experiences far less crystallization than conventional film.



The modulus of elasticity is measured after autoclaving. Multi-X9 remains far more elastic than conventional film.



60 Gram Paper



70 Gram Paper

The density of fibers is visibly greater with 70 gram when compare with 60 gram paper. The result is an improved barrier against environmental damage including water repellency, and mechanical strength.

### • The 9 Layer Multi-X9® Reduces Crystallization

The Multi-X9 Laminate is a multilayer film with nine very fine layers, which makes it very tough and durable. The surface layer is a polyester (PET) with high temperature resistance. The inside layer next to the instrument to be sterilized is also a high temperature material. The other layers consist of non-crystallizing, highly modified rubber-

### • Complete Line of Packaging to Choose From

Single source for all styles and types of pouches: Pre-cut heat-seal, rolls, self-seal, gusseted, paper bags, and Tyvek®.

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# Steriking® Sterilization Packaging



## Feature Rich Heat Seal Pouches

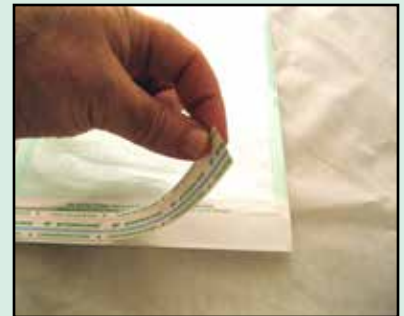
1. Heat-sealed upper corners prevent dust from collecting at the opening seal, reducing the risk of contamination when opened.
2. The indicator imprints for steam and gas are subjected to the same sterilization conditions as the packaged product.
3. The multiline parallel seams are extremely strong, durable and promote a clean peel.
4. Thumb notches at each end make the filling and opening of a pack easier.

Code#	Width	Length	Qty	Code#	Width	Length	Qty
24	3.000	6.000	2400	13	6.000	15.750	1200
2	3.000	7.750	2400	28	6.000	20.500	1200
4	3.000	10.500	3600	33	7.000	12.500	1000
25	4.000	6.000	2400	7	8.000	10.500	600
3	4.000	7.750	1800	7A	8.000	13.500	1000
5	4.000	10.500	3000	10	8.000	16.000	600
8	4.000	12.000	1200	16	10.000	15.000	1200
19	4.000	14.000	1200	29	10.500	13.750	600
12	4.000	22.500	1800	30	10.500	17.250	600
27	4.500	15.500	1200	14	12.000	22.500	600
15	6.000	7.750	1200	21	12.000	19.500	600
6	6.000	10.500	1800	31	16.500	19.500	500
26	6.000	13.750	1800	32	16.500	23.500	500
SDV10	7.875	31.500	400	SDV20	10.000	35.500	400

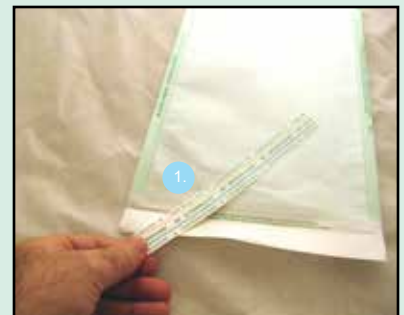


## Easy to Use Self Seal Pouches

1. Steriking Self Seal pouches feature the innovative and convenient chemical indicator (Class 1) peel-off strip. Simply peel and place inside the pouch.
2. The sterilizable adhesive strip promotes a tight, impermeable closing of the pack.
3. The closing flap is prefolded to facilitate the sealing of the pouch.



Code#	Width	Length	Qty
SS10	2.500	10.000	1000
SS-T1	3.500	8.000	1000
SS-T2	3.500	10.000	1000
SS-T3A	4.000	25.000	1000
SS-T4	5.000	10.500	1000
SS-T4A	5.000	15.000	1000
SS-T5A	7.500	13.000	1000
SS-T6	10.000	15.500	600
SS-T7	12.000	17.500	600



## Economical Packaging Rolls

The indicators are imprinted along the seam of the packaging subjecting them to the same conditions of sterilization as the contents without the risk of ink contamination. Steriking rolls are marked with a symbol indicating the correct peeling direction.



Code#	Width	Length (ft)	Qty
R 39	2	100	10
R 40	3	100	10
R 41	4	100	10
R 42	6	100	16
R 43	8	100	6
R 44	10	100	6
R 45	12	100	6

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# Steriking® Specialized Packaging



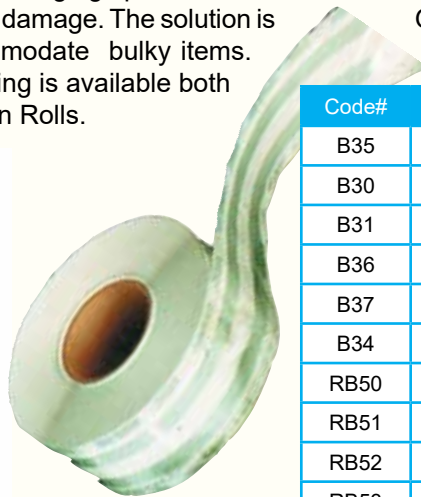
**Tyvek® for VH202**  
 Steriking® Tyvek® Packaging is manufactured with the same commitment to quality as our complete family of packaging. Designed for optimal use in low temperature sterilization methods, including VH202, EtO and Irradiation. Steriking Tyvek is available in Heat Seal, Self Seal and Rolls. They are designed to offer high resistance to penetration by contaminating microorganisms, to peel open cleanly with a minimum of fiber tear and allows quick passage of sterilizing gas and accompanying moisture vapor.

Code#	Description	Width	Length	Qty
LTS7520 NI	Heat Seal Tyvek Packaging	3.00	8.00	200
LTS1025 NI	Heat Seal Tyvek Packaging	4.00	10.00	200
LTS1530 NI	Heat Seal Tyvek Packaging	6.00	12.00	200
LTS2550 NI	Heat Seal Tyvek Packaging	10.00	19.50	600
LTSS1 NI	Self Seal Tyvek Packaging	3.50	8.00	1000
LTSS2 NI	Self Seal Tyvek Packaging	3.50	9.75	1000
LTSS4 NI	Self Seal Tyvek Packaging	5.00	10.50	1000
LTSS4A NI	Self Seal Tyvek Packaging	5.00	15.00	1000
LTSS5A NI	Self Seal Tyvek Packaging	7.50	13.00	1000
LTSS6 NI	Self Seal Tyvek Packaging	10.00	15.50	600
LTSS7 NI	Self Seal Tyvek Packaging	12.00	17.50	600
LTR40 NI	Tyvek Roll	3.00	330.00	2
LTR41 NI	Tyvek Roll	4.00	330.00	2
LTR42 NI	Tyvek Roll	6.00	330.00	1
LTR43A NI	Tyvek Roll	9.00	330.00	1
LTR44 NI	Tyvek Roll	10.00	330.00	1
LTR45 NI	Tyvek Roll	12.00	330.00	1

## Gusseted Packaging for Over-Sized Contents

Large items require more packaging space. But when an increased opportunity for damage. The solution is like an accordion to accommodate bulky items. be used. Gusseted Packaging is available both in Heat Seal Pouches and in Rolls.

an oversized pouch is utilized there is much wasted space, and Gusseted Packaging. The extra folds in the laminate expand The proper size package in width and length can then



Code#	Description	Width	Length	Height	Qty
B35	Pre-Cut Gusseted Pouch	4.000	12.000	2.000	500
B30	Pre-Cut Gusseted Pouch	4.000	14.250	2.000	500
B31	Pre-Cut Gusseted Pouch	6.000	15.500	2.000	500
B36	Pre-Cut Gusseted Pouch	8.000	15.500	2.000	250
B37	Pre-Cut Gusseted Pouch	10.000	19.000	2.500	250
B34	Pre-Cut Gusseted Pouch	12.000	21.500	3.500	250
RB50	Gusseted Roll	3.000	328.000	2.000	1
RB51	Gusseted Roll	4.000	328.000	2.000	1
RB52	Gusseted Roll	6.000	328.000	2.000	1
RB53	Gusseted Roll	8.000	328.000	2.000	1
RB54	Gusseted Roll	10.000	328.000	2.000	1
RB55	Gusseted Roll	12.000	328.000	3.000	1
RB56	Gusseted Roll	14.000	328.000	3.000	1
RB57	Gusseted Roll	16.000	328.000	3.000	1

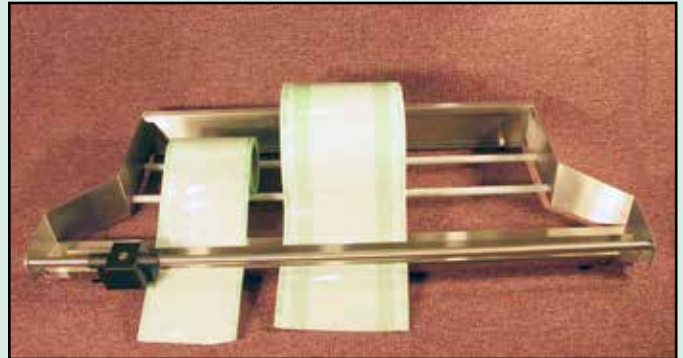
# Roll Cutters, Heat Sealers & Dust Covers



## Roll Dispenser with Cutting Device

This premium quality roll cutter has an integrated cutting device for precise production of desired size packaging.

Code#	Description
TS900	44" wide stainless steel roll cutter & dispenser
TS750	38" wide stainless steel roll cutter & dispenser
TS600	32" wide stainless steel roll cutter & dispenser
TS450	18" wide stainless steel roll cutter & dispenser
OZ 450	Extention for TS450
OZ 750	Extention for TS750
OZ 600	Extention for TS600
OZ 900	Extention for TS900



## Heat Sealer Solutions

Continuous feed is the most efficient method for sealing - packaging is fed through the machine one after another. Any width packaging can be sealed in this manner. The F108 features whisper-quiet operation in a compact machine that remains warm, but not hot, to the touch.

ISO 11607 recommends routine monitoring of seal quality. The Daily Seal Check sheets from Healthmark do just that. They provide document proof of the quality of your sealing device by providing a challenge analogous to the heating sealing of your pouches.

Poly dust covers represent a special challenge to sealing - low melt temperature and large sizes. The handheld impulse sealing tongs are the perfect solution. It features an automatic, infinitely variable welding time selection. The impulse mechanism requires no time to heat up, so sealing is nearly instantaneous. The 24" width is large enough to seal all commonly used dust covers in one-step. This method of sealing can be use to seal all types of thermoplastic films safely and without melting.



Code#	Description
30.100.561	Heat Sealer
30.100.561-RK	Heat Sealer Repair and Maintenance Kit
RT108	Roller Table (23" x 12.5")
HPL ISZ-630	24" Handheld Impulse Sealer
SC 250	Daily Seal Check (Box-250)
TSC200	Daily Seal Check - Tyvek (Box-200)
TPS-001	Dye Migration Test for TYVEK Pouches
PS-001	Dye Migration Test



## Protective Packaging

Special linear tear material is exceptionally strong, but once scored, easy to tear. With no perforations, the chance for unintended tearing is eliminated.

Width	Length	Qty	Self Seal	Heat Seal
6.00	10.00	1000	SE0610	SM0610
8.00	12.00	1000	SE0812	SM0812
10.00	15.00	1000	SE1015	SM1015
12.00	20.00	500	SE1220	SM1220
16.00	22.00	500	SE1622	SM1622
16.00	30.00	250	SE1630	SM1630
24.00	30.00	250	SE2430	SM2430
6.00	9.00	1000	LB0609CL	
14.00	8.00	1000	LB0814CL	
36.00	5.00	100	CL536-3M	

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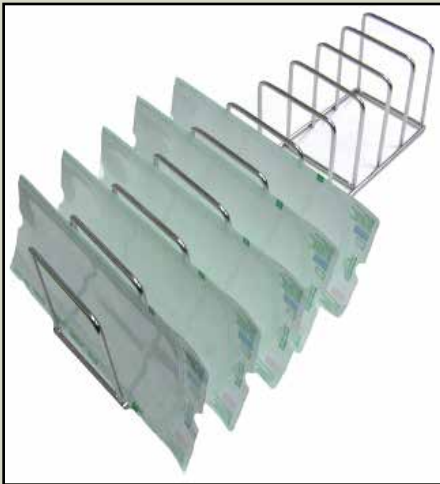
# Protective Barriers, Pouch Racks & Tray Liners



## Gorilla Bags

Made from Spun Polypropylene, the Gorilla Bags have a high tensile strength and are used as an outer protective layer applied over the standard hospital practice barrier package for medical devices. Also available in red, orange and yellow.

Code No	Description	Length	Width	QTY
GB-001 PP	Gorilla Bag Purple	15.80	27.60	100
GB-002 PP	Gorilla Bag Purple	19.70	27.60	100
GB-003 PP	Gorilla Bag Purple	23.60	27.60	100



## Properly Load with the Pouch Sterilization Rack

The sterilization pouch racks keeps pouches on edge, prevents over stacking, facilitates sterilant contact and reduces drying time, all in accordance with AAMI ST79. Styles include full loop, peg and multi-height racks.

Code No	Description	Length	Width	Height
SR-048	Dual height, loop style, 13 slots, 1.5" and 0.75" spacing	21.00	8.00	8.00
SR-010	Loop style, 5 slots, 1.625" spacing	9.13	4.00	4.00
SR-040	Loop style, 10 slots, 1.625" spacing	18.38	4.00	4.00
SR-004	Loop style, 21 slots, 0.75" spacing	19.00	4.00	4.00
SR-025	Loop style, 8 slots, 2.5" spacing	20.13	6.00	6.00
SR-005	Loop style, 4 slots, 5.0" spacing	20.63	6.00	6.00
SR-008	Loop style, 10 slots, 1.5" spacing	21.00	8.00	8.00
SR-016	Peg style, 4 slots, 4.0" spacing	16.00	7.25	4.00
SR-020	Peg style, 5" slots, 4" spacing	20.00	7.25	4.00

## Fight Wet Packs with UnderGuard™ Tray Liners

Produced from pure cellulose EFG wood pulp, manufactured with low chloride and sulfate content and free from optical dyes, these liners can be safely used next to delicate instruments during sterilization to absorb and rapidly disperse condensate for complete evaporation. This greatly facilitates the production of dry packs and assists the sterilization process. Most innovative of all are the Form-Fitting Liners, dye-cut so that they form a protective barrier for instruments from the bottom and sides of instrument baskets. Need a special size for your closed containers? Get us the size and the quantities and we will get you a quote.

Code No	Description	Width	Length	Case	Code No	Box
TL-0812	Paper Trayliner	8.00	12.00	2000	TL-0812	200
TL-1010	Paper Trayliner	9.80	9.80	2400	TL-1010	200
TL-1020	Paper Trayliner	9.80	19.70	1200	TL-1020	200
TL-1216	Paper Trayliner	12.00	16.10	1000	TL-1216	200
TL-1822	Paper Trayliner	18.00	21.67	800		
TL-1212	Paper Trayliner	12.00	12.00	2000	TL-1212	200
TL-1218	Paper Trayliner	12.00	18.00	1000	TL-1218	200
TL-1224	Paper Trayliner	12.00	24.00	1000	TL-1224	200
TL-1818	Paper Trayliner	18.00	18.00	1000		
TL-1824	Paper Trayliner	18.00	24.00	600		





## UnderGuard™ for Autoclave Shelves

Made of the same pure cellulose as our OrthoShield™ sheets, these UnderGuard™ sheets are sized for use on autoclave loading carts. These sheets serve to absorb and rapidly disperse condensate during sterilization. Further, they will help prevent dripping of condensate between shelves. Best of all, they protect wrapped trays for any sharp edges that might tear wrap when trays are loaded or unloaded. Liners come in three standard sizes to fit both floor loaded and shelf loading autoclaves.



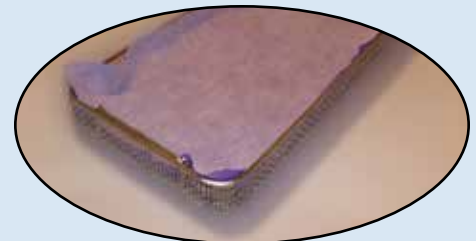
Code No	Description	Width	Length	Case
SK-2248	UnderGuard for Autoclave Shelves	22.00	48.00	100
SK-2260	UnderGuard for Autoclave Shelves	22.00	60.00	100
SK-2036	UnderGuard for Autoclave Shelves	20.00	36.00	48

## Dual UnderGuard™: Tough and Absorbent

This innovative protective barrier combines the tough, tear resistant quality of spun polypropylene with a super absorbent layer of medical grade paper surface. The Dual UnderGuard™ liner provides the optimum protection from dust, moisture and handling, while simultaneously providing an absorbent inner layer for the dispersion of condensate during the autoclaving process. This liner is particularly useful for the protection of barrier wrapped heavy plastic boxes and trays as well as standard stainless steel baskets. The unique purple color distinguishes the Dual UnderGuard™ from sterilization wraps.



Code No	Description	Width	Length	Case
DM-2030PP	Purple Dry Mat with Absorbent Layer	19.70	29.50	50
DM-2030GN	Green Dry Mat with Absorbent Layer	19.70	29.50	50
DM-1520PP	Purple Dry Mat with Absorbent Layer	15.00	19.70	100
DM-1520GN	Green Dry Mat with Absorbent Layer	15.00	19.70	100
DM-1224PP	Purple Dry Mat with Absorbent Layer	12.00	24.00	100
DM-1224GN	Green Dry Mat with Absorbent Layer	12.00	24.00	100



## Form Fitting UnderGuard™ Tray Liners

These Form-Fitting Liners are dye-cut so they form a protective barrier for instruments from the bottom and sides of instrument baskets. Produced from pure cellulose EFG wood pulp, manufactured with low chloride and sulfate content and free from optical dyes, these liners can be safely used next to delicate instruments during sterilization to absorb and rapidly disperse condensate for complete evaporation. This greatly facilitates the production of dry packs and assists the sterilization process.

Code No	Description	Width	Length	Case
BL-1414	Liner - 10" x 10" basket	13.50	13.50	1000
BL-1419	Liner - 10" x 16" basket	13.50	19.00	1000
BL-1423	Liner - 10" x 20" basket	13.50	23.00	1000

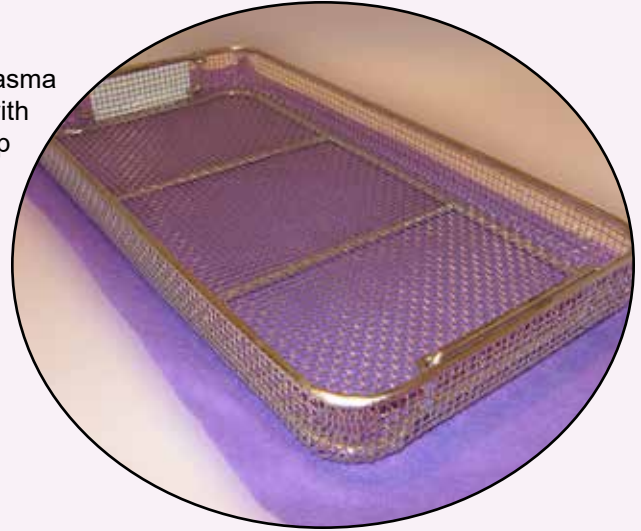




# UnderGuard™ Liners

## UnderGuard for VH202

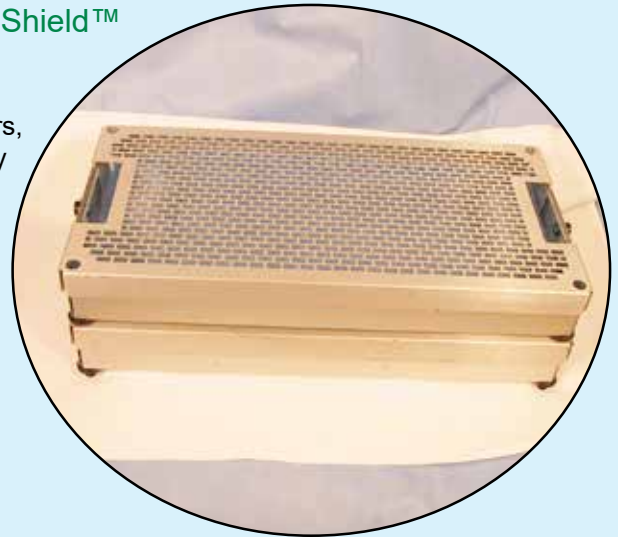
Manufactured from spun polypropylene, the UnderGuard™ for Plasma is incredibly resistant to tearing, and completely compatible with VHP202 sterilization. Use under the tray to protect outer wrap from sharp corners and imperfections of sterilization trays. The unique purple color helps to distinguish this protective layer from sterilization wrap. Available in 3 sizes to fit the most common sizes of trays.



Code No	Description	Width	Length	Case
MT-2030	Underguard for Plasma	19.70	29.50	50
MT-1520	Underguard for Plasma	15.00	19.70	100
MT-1224	Underguard for Plasma	12.00	24.00	100

## Extra Protection for Extra Heavy Ortho Trays with OrthoShield™ Soaker Sheets

Made of the same pure cellulose as the UnderGuard™ Tray Liners, the OrthoShield™ sheets have been specially developed for heavy duty use, most commonly under trays to protect wraps from sharp corners and uneven surfaces of trays and baskets while also providing rapid absorption of condensate during sterilization. They are ideal for use with heavy orthopedic sets, which often present the greatest challenge to the integrity of packaging and are most prone to the occurrence of wet pack.

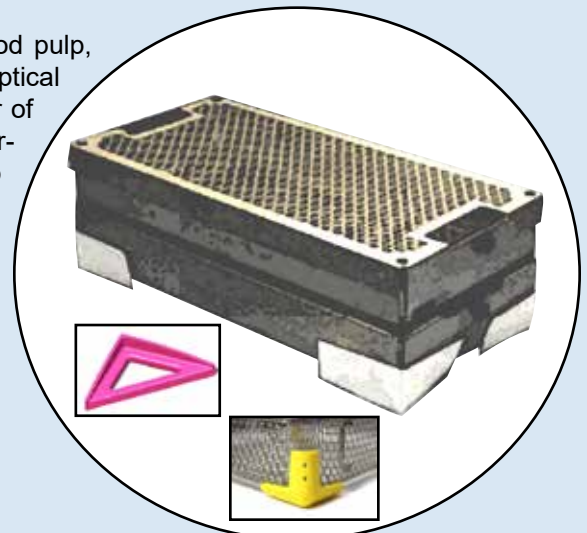


Code No	Description	Width	Length	Case
SK-2030	Soaker Sheet	19.70	29.50	50
SK-1520	Soaker Sheet	15.00	19.70	100
SK-1010	Soaker Sheet	9.80	9.80	100

## Tray Corners

The paper tray corners are produced from pure cellulose EFG wood pulp, manufactured with low chloride and sulfate content and free from optical dyes. They are die-cut to be conveniently used to protect the corner of wrapped trays in just a couple of steps. Not only do they protect the corners of the trays, but because they are made of paper, they also absorb and disperse the condensate for better evaporation. The silicone tray corners are also available.

Code No	Description	Case Qty
TC-001	Card Stock	200
TC-001ASM	Pre-Assembled Card Stock	200
TC-002	Crepe Stock	100
TC-002ASM	Pre-Assembled Crepe Stock	100
TC-003	Flat Crepe Stock	100
CP-80NS	Silicone Corner Protector Pink	80
50062YL	Silicone Corner Hugs Yellow	4
42007	Pop-Up Corner Card	600





# Container Locks, Sterilization Tapes



## Closed Container Locks

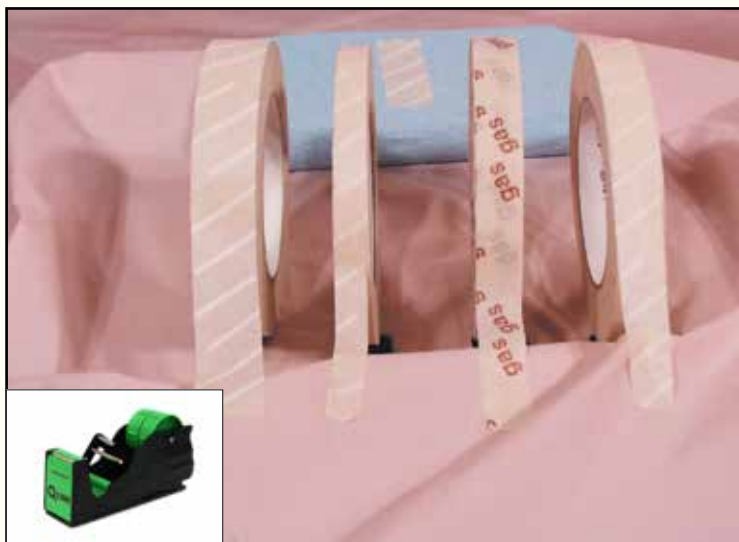
Tamper evident seals for use with closed sterilization containers. Easily seals and breaks by hand. Can be ordered with the optional sterilization indicator dot. This is the convenient SEALabel lock pair. One of the pair is a style with an area large enough to place your container label. Available with or without indicator dots. Available with or without (Type 1) indicator dots.

Code#	Description	QTY
3030 BL	Blue	1000
3030 BLWDTS	Blue w/ Steam Sterilization Indicator	1000
3030 WT	White	1000
3030 WTPDTS	White w/ VHP Sterilization Indicator	1000
3030 YL	Yellow	1000
3030 YLWDTS	Yellow w/ Steam Sterilization Indicator	1000
4040 GN	Green	1000
4040 GNWDTS	Green w/ Steam Sterilization Indicator	1000

Code#	Description	QTY
5030 RDWDTS	For Containers Using the Arrow Style Lock	1000
6020 WTWDTS	White w/ Steam Sterilization Indicator	1000
9393 RDWDTS	Red w/ Steam Sterilization Indicator	1000
9393 WTWDTS	White w/ Steam Sterilization Indicator	1000
605LNG GR	SEALabel/monoSEAL Container Lock Pair Green	500
605LNG GRWDTS	SEALabel/monoSEAL Container Lock Pair Green with Steam Dot	500
605M GR	Container Lock Pair Green	500
605M GRWDT	Container Lock Pair Green with Steam Dot	500

## Sterilization Tapes

- Indicator (Type 1) tapes with STEAM indicator changing color from white to brown/black.
- Custom Imprinted Tapes available. Call for quote.



Code#	Description	Qty
ITS12GL	1/2" Steam Sterilization Tape, Lead Free	72
ITS19GL	3/4" Steam Sterilization Tape, Lead Free	48
ITS25GL	1" Steam Sterilization Tape, Lead Free	36
TPEDS-1	1 Roll Tape Dispenser	1
TPEDS-2	2 Roll Tape Dispenser	1
TPEDS-3	3 Roll Tape Dispenser	1



# Markers, Container Cards & Sterilization Integrators

## Sterimarker Non-toxic Marker for Sterilization Packaging



The special ink is immediately dry, waterproof, lightproof, resistant to atmospheric action, heat-resistant, and acid-resistant. No chemical or toxic substances are released during use. The marking withstands sterilization by steam, EO, FO, VHP and radiation. It is recommended to mark the see-through packages on the fill side and the wrapped sheets on tape. Packaged 10 per box.

Code No	Color	Case Qty
1753DZ	Thick Black	12
MAR1	Black	10
MAR2	Red	10
MAR3	Blue	10

## Count Sheet Holders



These products are designed to hold instrument count sheets on the outside of wrapped trays. Simply fold the count sheet over to fit inside medical grade paper pouch and adhere to the side



Code No	Description	QTY
PBR-46	Count Sheet Holder Poly Front with Medical Grade Paper Back	1000
PBR-76	Count Sheet Holder Medical Grade Paper	1000
CSH-001	SS Count Sheet Holder - Clip-On Loop Style	10
403225 SLTD	White Slotted for Count Sheet	500
403225 SLTD PK	Pink Slotted for Count Sheet	500

## Container Cards

Select from the most common size cards for the Aesculap brand container systems. Each card includes a dual indicator for steam and EtO; a writing surface to record the date of sterilization, sterilizer number, load number and expiration date. Class 1



Code#	Description	Qty
CI 138	Sterile Container Card (HMK-0997)	500

## INTEGRAPH (#CI 101) Multi-Function Steam Sterilization Integrator

- Unique multi-function Type 5 integrator with three ink chemistry - the first line **1** is a process indicator, the second line **2** is an integrator, and third **3** indicates "excess-sterilization."
- The Integraph turns dark brown under the condition of superheated steam.
- Will not complete a color change if excess air is present.
- Interpretation guide **4** is printed right on the Integraph.
- Vivid purple to green color change makes the interpretation easy.
- Approved by the FDA, meets ISO and EN standards as a true integrator.



### UNEXPOSED

Integraph integrators are designed to change color from purple to green when all parameters for steam sterilization... time, temperature and the presence of saturated steam...are met.



### CORRECT

When both of the first two bars have turned completely green, sterilization conditions have been met.

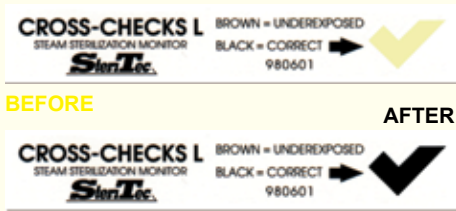
Call:800-521-6224

Fax:586-491-2113

www.HMARK.com



## CROSS-CHECKS Steam Sterilization Monitor



An economical, Type 4 inside-the-pack integrator to check proper time and temperature in a steam sterilizer operating from 270°F to 275°F. Requires all parameters for steam sterilization to be met. The distinctive white to black color change is not reversible. The short version (#CI 111) indicator is plastic laminated to eliminate the potential for ink transfer. The color standard arrow is printed on each indicator providing an easy to interpret pass/fail test. Long 8" version available (#CI 107).

## CROSS-CHECKS Steam Sterilization Monitor

#CI 134



An economical, Type 4 inside-the-pack integrator to check proper time and temperature in a steam sterilizer operating from 270°F to 275°F. Requires all parameters for steam sterilization to be met. The distinctive blue to black color change is not reversible. The color standard arrow is printed on each indicator providing an easy to interpret pass/fail test. (#CI 134).

## CROSS-CHECKS EO Ethylene Oxide Sterilization Monitor



#CI 106

An economical, Type 4 inside-the-pack integrator to check proper time, temperature, humidity, and ethylene oxide concentration. Requires all parameters for EtO gas sterilization to be met. The distinctive yellow to brown color change is not reversible. The indicator is plastic laminated to eliminate the potential for ink transfer. The color standard arrow is printed on each indicator providing an easy to interpret pass/fail test. (#CI 106).

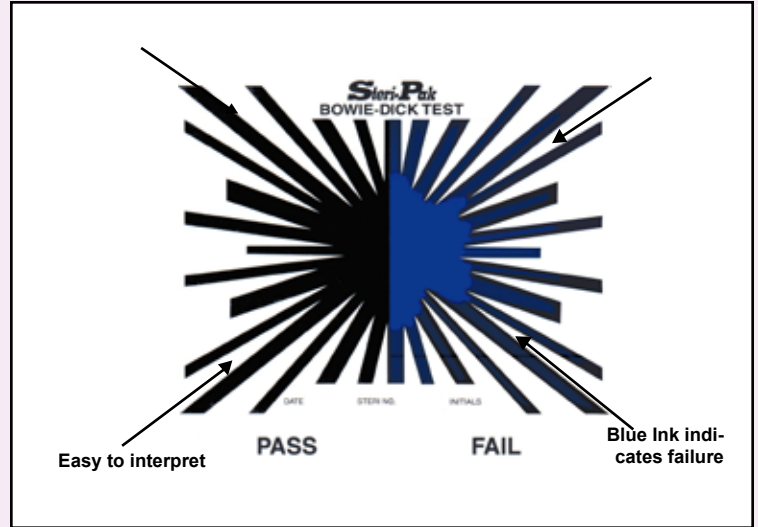


# Bowie Dick Test, Biological Indicators and Test Packs

## STERI-PAK Disposable Bowie-Dick Test Pack with an Easy to Interpret Indicator Sheet

A complete system that includes a disposable pack, and a maximum ink coverage Bowie-Dick sheet. This test pack meets the proposed EN standards - the highest ever set for Bowie-Dick packs. The unique Indicator Sheet indicates the emergence of a problem before incubation. The easy to detect blue to black color change eliminates the guess work of interpreting the results. Type 2

Code No	Box Qty
BD 111	20



#BI-1 #EZG-6

## EZTest Biological Indicators

EZTest® is a self-contained biological indicator for monitoring (#BI-1) steam or (#EZG-6) ethylene oxide sterilization. EZTest® contains bacterial spores on a filter-paper carrier packaged within a small, thermoplastic culture tube. Inside the thermoplastic culture tube is a sealed-glass ampoule of specially-formulated soybean casein digest culture medium containing a color indicator which turns a dramatic yellow when spores grow. EZTest® is easy-to-use and produces visual results within 48 hours without laboratory transfers.

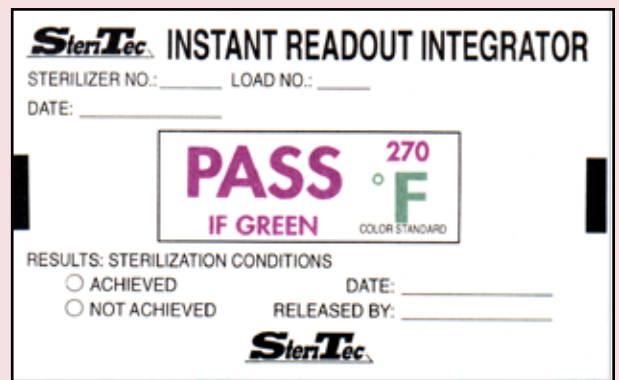
Simply place EZTest® inside products or product packages to be sterilized. The “inoculated package” is then placed in the sterilizer and processed. Upon removal from the sterilizer, the EZTest® BI is “activated.” Using a crushing device, flex the sides of the soft plastic culture tube to break the glass ampoule to allow the medium to mix with the spores. The “activated” EZTest® BI is then placed in an appropriate incubator for 48 hours. If any spores survive the process, the medium will turn yellow.



## Biological Test Pack with Instant Readout Integrator

Contains EZTEST® self-contained biological indicator and the Instant Readout Integrator. The Integrator’s dramatic color changes from purple to green indicates correct exposure conditions of temperature, time and steam/EtO, predicting that biological spores have been killed - allowing immediate release of the non-implant loads. Small, compact size that is easy to use. The steam pack is the size of a deck of cards. The biological is simple to incubate in a standard incubator. Type 5

Code No	Description	Box Qty
BI 102	ETO Biological Test Pak - 5 controls	30
BI 103	Steam Biological Test Pak - 5 controls	30



Dramatic color change predicts outcome of spore incubation