

# VICTOR MEDICAL

Product Manual



## VICTOR MEDICAL INSTRUMENTS CO.,LTD.

Add: No.24-4 Changyang Road, West Taihu Science and Technology Industrial Park,  
Changzhou, 213115 Jiangsu, P.R. China Tel: +86 519 88411338  
Website: [www.victormedic.com](http://www.victormedic.com) Email: [vmic@victormedic.com](mailto:vmic@victormedic.com)



VICTOR MEDICAL INSTRUMENTS CO.,LTD.



VERSION NUMBER: A/2



## VICTOR MEDICAL COMPANY PROFILE

# VICTOR MEDICAL PROFILE

### Company Profile

Victor Medical Instruments Co., Ltd is a professional firm dedicated to developing, manufacturing and marketing for auto surgical staplers and Minimally Invasive Surgery related products. By providing surgeons with comprehensive surgical solutions, and offering our customers with advanced surgical devices, professional medical education, as well as superior customer service, Victor Medical has been constantly practicing the creed of being “professional, focused and concentrated.”

By strictly comply to the Quality System operational requirements of ISO13485, GMP and Brazil ANVISA , the Victor Medical products have been successively certified by CFDA, The US FDA, CE, The Korean FDA, India CDSCO, Saudi Arabia SFDA, Iran and relevant administrations from other nations. Our products have so far been marketed in 16 Countries around the globe and hundreds of Medical Institutions in China. The company has created a strong R&D team. As a result, we obtained 35 Chinese patents, including 14 invention patents, and 9 patents that are being evaluated. Victor Medical has been successively awarded as Jiangsu Province High-tech Enterprise, Small & Medium Sized Technology Enterprise in Jiangsu Province, Private Technological Enterprise in Jiangsu Province, Engineering Technology Research Center in Changzhou City. It also receives awards of National Creative Funds, Jiangsu Province Renowned Trademark and Technological Creation.

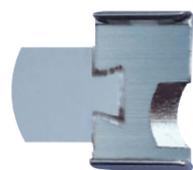
By upholding the principles of striving for perfection and continuous creations, Victor Medical is aspired to become the leader in the field of Chinese surgical devices.

- **2019**
  - Leded and drafted the national industry standard for Endoscopic Linear Cutter and Reload
  - To be recognized as Industrial Design and Research Center in Changzhou City
  - Established experimental base for post-doctoral innovation in Changzhou City
- **2018**
  - Established a postgraduate workstation in cooperation with Southeast University
  - Explored new way of industrial-academic-research cooperation and promoted patent transfer by cooperating with clinician
  - Got approval of the registration of India, Saudi Arabia and Iran markets
- **2017**
  - Merger and reorganization with Canopus, and had a successful IPO at China New Third Board Market with Trade No 834478
  - Obtained 2 national patents ● Annual sales outpaced 20 million US Dollars
- **2016**
  - The 3<sup>rd</sup> generation staplers for open surgery launched into market
  - Obtained US FDA approvals ● Obtained 6 national patents
- **2015**
  - To be awarded national innovation fund by new generation Endoscopic Linear Cutter
  - To be recognized as Engineering Technology Research Center in Changzhou City
  - Obtained 3 national patents
- **2014**
  - New generation Endoscopic Linear Cutter launched into market
  - Got the approval of Brazil ANVISA and KFDA GMP Inspection
  - Obtained 3 national patents
- **2013**
  - To be recognized as Small & Medium Sized Technology Enterprise in Jiangsu Province
  - To be awarded national innovation fund ● Obtained 1 national patent
- **2012**
  - To be recognized as Jiangsu Province High-tech Enterprise
  - Research & Develop the 1st generation Endoscopic Linear Cutter
  - Obtained 2 national patents
- **2011**
  - To be recognized as Science and Technology Enterprise in Jiangsu Province
  - Obtained 9 national patents
- **2010**
  - The 1st generation stapler for open surgery launched into market
  - Obtained 6 national patents
- **2009**
  - Foundation of Victor Medical ● Acquired CE and ISO 13485 certification



# Single Use Endoscopic Staplers

## Reloads of Single Use Endoscopic Linear Cutter Staplers



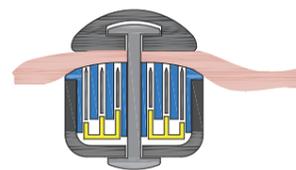
### Reinforced and one-piece I-beam design

Ensure consistent staple formation  
Ensure effective cutting and anastomosis length



### The staple height reaches up to 5.0mm for green reload

The staple height reaches up to 5.0mm for green reload  
Ensure suturing extra-thick tissue  
To effectively prevent the staples opening by extra-thick tissue



### Different staple heights from inner to outer rows

Adapt to different tissue thickness  
Excellent hemostatic effect  
To provide optimal blood supply



### Extra-thin reinforced and one-piece anvil

Stable performance during firing. Optimal staple formation.  
To be easier passing the narrow tissue gap with the extra-thin anvil



### Enhanced compression space control system

Control consistently the parallel clamping force. Reduce tissue damage in second time closure  
Control effectively the space between reload and anvil  
Ensure optimal B-sharp formation



### 6 level angle adjustment from left to right

The articulating angle could be adjusted to 15 degrees, 30 degrees and 45 degrees. 6 level angle adjustment could easily reach into the anastomosis position



### One-handed Operation

Easy and convenient to close and reopen the jaw by one-handed operation system



### Extra-large black unloading button

Convenient reloading  
Reduce the infection during operation



# Reloads of Single Use Endoscopic Linear Cutter Staplers



## Articulating Reload

Figure	Item Code	Suture Length	Staple Height	Compressed Tissue Thickness of Application	Color	Color	Packaging
	PECFR30Y	30mm	2.3mm/2.3mm/2.3mm	0.70-1.20mm	Grey	●	6pcs/box
	PECFR30W	30mm	2.0mm/2.5mm/3.0mm	0.88-1.50mm	White	○	6pcs/box
	PECFR30B	30mm	3.0mm/3.5mm/4.0mm	1.50-2.25mm	Blue	●	6pcs/box
	PECFR45Y	45mm	2.3mm/2.3mm/2.3mm	0.70-1.20mm	Grey	●	6pcs/box
	PECFR45W	45mm	2.0mm/2.5mm/3.0mm	0.88-1.50mm	White	○	6pcs/box
	PECFR45B	45mm	3.0mm/3.5mm/4.0mm	1.50-2.25mm	Blue	●	6pcs/box
	PECFR45G	45mm	4.0mm/4.5mm/5.0mm	2.25-3.00mm	Green	●	6pcs/box
	PECFR60Y	60mm	2.3mm/2.3mm/2.3mm	0.70-1.20mm	Grey	●	6pcs/box
	PECFR60W	60mm	2.0mm/2.5mm/3.0mm	0.88-1.50mm	White	○	6pcs/box
	PECFR60B	60mm	3.0mm/3.5mm/4.0mm	1.50-2.25mm	Blue	●	6pcs/box
	PECFR60A	60mm	4.2mm/4.2mm/4.2mm	1.75-2.50mm	Gold	●	6pcs/box
	PECFR60G	60mm	4.0mm/4.5mm/5.0mm	2.25-3.00mm	Green	●	6pcs/box

## Straight Reload

Figure	Item Code	Suture Length	Staple Height	Compressed Tissue Thickness of Application	Color	Color	Packaging
	PECR30Y	30mm	2.3mm/2.3mm/2.3mm	0.70-1.20mm	Grey	●	6pcs/box
	PECR30W	30mm	2.0mm/2.5mm/3.0mm	0.88-1.50mm	White	○	6pcs/box
	PECR30B	30mm	3.0mm/3.5mm/4.0mm	1.50-2.25mm	Blue	●	6pcs/box
	PECR45Y	45mm	2.3mm/2.3mm/2.3mm	0.70-1.20mm	Grey	●	6pcs/box
	PECR45W	45mm	2.0mm/2.5mm/3.0mm	0.88-1.50mm	White	○	6pcs/box
	PECR45B	45mm	3.0mm/3.5mm/4.0mm	1.50-2.25mm	Blue	●	6pcs/box
	PECR45G	45mm	4.0mm/4.5mm/5.0mm	2.25-3.00mm	Green	●	6pcs/box
	PECR60Y	60mm	2.3mm/2.3mm/2.3mm	0.70-1.20mm	Grey	●	6pcs/box
	PECR60W	60mm	2.0mm/2.5mm/3.0mm	0.88-1.50mm	White	○	6pcs/box
	PECR60B	60mm	3.0mm/3.5mm/4.0mm	1.50-2.25mm	Blue	●	6pcs/box
	PECR60A	60mm	4.2mm/4.2mm/4.2mm	1.75-2.50mm	Gold	●	6pcs/box
	PECR60G	60mm	4.0mm/4.5mm/5.0mm	2.25-3.00mm	Green	●	6pcs/box

## Single Use Endoscopic Staplers Parameter Chart

Item Code	Description	Shaft Length	Packaging
PSECBS	Single Use Endoscopic Staplers-Short Shaft	70mm	1pc/box



Item Code	Description	Shaft Length	Packaging
PSECB	Single Use Endoscopic Staplers-Standard Shaft	160mm	1pc/box



Item Code	Description	Shaft Length	Packaging
PSECBL	Single Use Endoscopic Staplers-Extra long Shaft	260mm	1pc/box



## Solution for Bariatric Procedure +



The green reload, which is applied to extra-thick tissue of pylorus



Single Use Endoscopic Linear Cutter--Extra Long



Single Use Bladeless Trocar--Extra Long

## Solution for Thoracic Procedure +



The green reload, which is applied to extra thick and hard tissue of lung



Single Use Endoscopic Linear Cutter--Short



The grey reload, which provides excellent hemostatic effect



# Single Use Endoscopic Staplers

## Reloads of Single Use Endoscopic Linear Cutter Staplers



### Single Use Endoscopic Staplers Parameter Chart

Description	Item Code	Shaft Length	Item Code	Shaft Length	Item Code	Shaft Length
Short	SEC30S/SEFC30S	250mm	SEC45S/SEFC45S	265mm	SEC60S/SEFC60S	280mm
Standard	SEC30/SEFC30	310mm	SEC45/SEFC45	325mm	SEC60/SEFC60	340mm
Extra long	SEC30L/SEFC30L	410mm	SEC45L/SEFC45L	425mm	SEC60L/SEFC60L	440mm

### Reloads of Single Use Endoscopic Linear Cutter Staplers Parameter Chart

Item Code	Suture Length	Staple Height	Staple Formation Height
ECR30Y	30mm	2.0mm/2.0mm/2.0mm	0.75mm
ECR30W		2.5mm/2.5mm/2.5mm	1.0mm
ECR30B(H)		3.5mm/3.5mm/3.5mm	1.5mm
ECR30G(H)		4.2mm/4.2mm/4.2mm	2.3mm
ECR30A(H)		3.8mm/3.8mm/3.8mm	1.8mm
ECR45Y	47mm	2.0mm/2.0mm/2.0mm	0.75mm
ECR45W		2.5mm/2.5mm/2.5mm	1.0mm
ECR45B(H)		3.5mm/3.5mm/3.5mm	1.5mm
ECR45G(H)		4.2mm/4.2mm/4.2mm	2.3mm
ECR45A(H)		3.8mm/3.8mm/3.8mm	1.8mm
ECR60Y	59mm	2.0mm/2.0mm/2.0mm	0.75mm
ECR60W		2.5mm/2.5mm/2.5mm	1.0mm
ECR60B(H)		3.5mm/3.5mm/3.5mm	1.5mm
ECR60G(H)		4.2mm/4.2mm/4.2mm	2.3mm
ECR60A(H)		3.8mm/3.8mm/3.8mm	1.8mm



#### Enhanced compression space control system

Ensure space between anvil and reload keeping the same from proximal to distal side. During firing, to provide consistent B-sharp formation



#### Real one-handed operation

Easy and convenient to open and close the jaw by one-handed operation



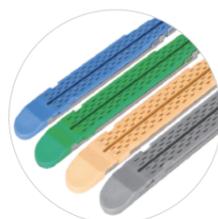
#### Auxiliary grasping force of reload surface

Avoid the tissue slipping out during firing



#### Safety block mechanism

Ensure the knife can be returned to the original position anytime in case of emergency



#### Multiple reload options meet for different requirement of tissue thickness

Provide more options to suit for different tissues

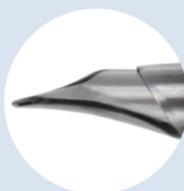


#### Adaptive angle adjustment

Adjust the reload angle freely

## Single Use Trocars & Veress Needles

- Wide product range**  
Standard trocar, pediatric trocar, extra-long trocar, thyroid trocar
- One-way thread design**  
Smooth insertion and provide sufficient abdominal wall fixation during penetration
- High quality medical grade PC material**  
Solid and flexible obturator to ensure safe insertion
- Abundant kit models**  
Multiple combinations, multiple options  
Applicable for different departments and surgical procedure



### Patented bladeless olecranon design

Avoid risk of injury to internal organs, fascia suture is not required



### Bivalved elastic sealing

Excellent leakage prevention  
Wear-resistance to support frequent instrument exchanges



### Universal seal design

Perfect wrapping instrument rod to provide better prevention of leakage. Three-layers structure and special materials to ensure gas proofness performance. Accommodate instruments from 5mm to 12mm, no need converter



### 12mm optical trocar

Visual access to ensure the insertion control

## Extra-long trocar



Applicable for bariatric surgery and obese patients



Extra-long trocar models  
5mm, 10mm, 12mm, 15mm



Simplified valve body upper cover design  
Provide sufficient operation space

## Standard Trocar & Extra-long Trocar & Veress Needles Parameter Chart

Item Code	Description	Specification
VT05	5mm Small head	5*92mm
VTB05	5mm	5*96mm
VTB10	10mm	10*96mm
VTB12	12mm	12*96mm
VTB15	15mm	15*110mm
VT05L	5mm extra-long	5*137mm
VTB10L	10mm extra-long	10*147mm
VTB12L	12mm extra-long	12*147mm
VTB15L	15mm extra-long	15*147mm
VTN12	12mm veress needle	120mm
VTN15	15mm veress needle	150mm

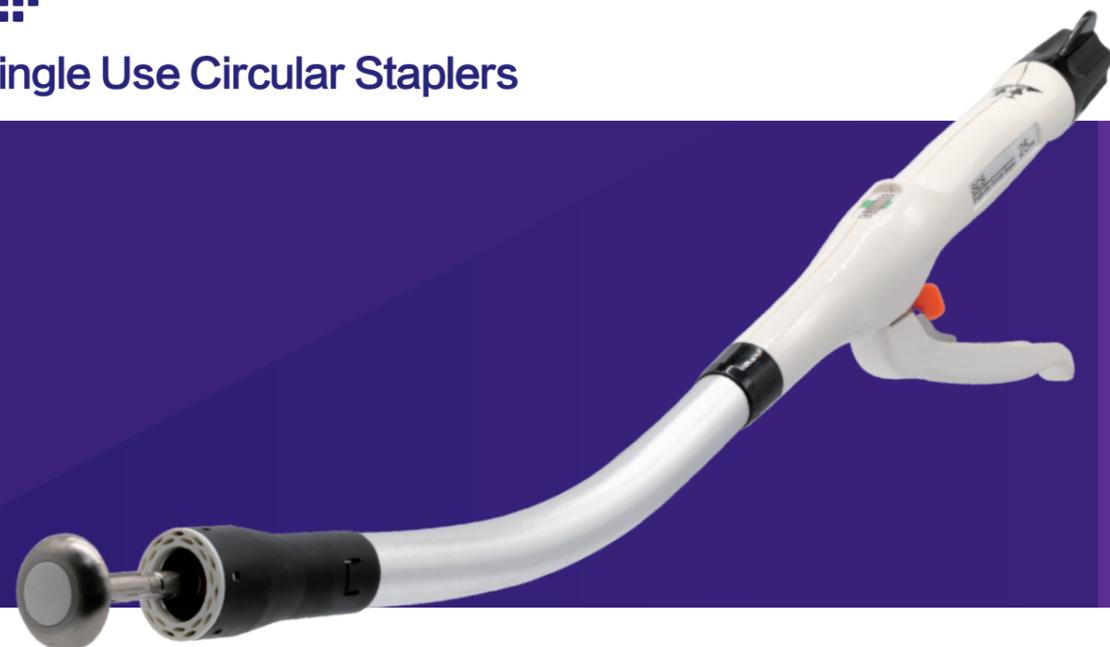
## Trocar Kit Specification Chart

Item Code	Qty for Kit	3mm	5mm	10mm	12mm	15mm	VTN12
VTK01	4		2 pcs (Extra-long)	1 pc (Extra-long)	1 pc (Extra-long)		
VTK02	3	2 pcs	1 pc (Small head)				
VTK04	3		2 pcs (Extra-long)	1 pc (Extra-long)			
VTBK10-1	3		1 pc	2 pcs			1 pc
VTBK10-2	4		2 pcs	2 pcs			1 pc
VTBK10-2-1	4		2 pcs (Small head)	2 pcs			1 pc
VTBK10-3	2		1 pc	1 pc			
VTBK10-4	3		2 pcs	1 pc			1 pc
VTBK10-4-1	3		2 pcs (Small head)	1 pc			1 pc
VTBK10-5	2			1 pc			1 pc
VTBK10-6-1	2		1 pc	1 pc			1 pc
VTBK12-1	2				2 pcs		1 pc
VTBK12-2	4		2 pcs	1 pc	1 pc		
VTBK12-3	4		2 pcs		2 pcs		1 pc
VTBK12-3-1	4		2 pcs (Small head)		2 pcs		1 pc
VTBK12-4-1	3		1 pc (Small head)		2 pcs		1 pc
VTBK12-5	3		2 pcs		1 pc		1 pc
VTBK12-5-1	3		2 pcs (Small head)		1 pc		1 pc
VTBK15-1	5		2 pcs	2 pcs		1 pc	1 pc
VTBK15-1-1	5		2 pcs (Small head)	2 pcs		1 pc	1 pc

Note: For all kits, if 2pcs of same code included in one box, one of them is sleeve.



## Single Use Circular Staplers



### One-piece anvil provide strong support

Ensure the "B" shape formation



### 5.8mm extra-thin anvil

Easy to be placed into purse-string



### Variable speed tail

Protect stomas while removing stapler, uniformly squeeze tissue when closing



### Single edged circular knife

ensure sharper cutting



### Indicated window design Tissue compression scale

Fire until the indicators within the green zone, ensure the safe suture



### Patented clamping slot design

Ensure better connection and smooth placement, reduces the damage when placing into the tissue

## Single Use Circular Staplers Parameter Chart

Figure	Item Code	Outer Dia	Inner Dia	Staple Qty	Staple Height	Staple Formation Height
	(E)SCS21	21mm	13mm	18	4.5mm	1.9mm
	SCSA21	21mm	13mm	18	4.5mm	1.9mm
	(E)SCS23	23mm	15mm	20	4.5mm	1.9mm
	SCSA23	23mm	15mm	20	4.5mm	1.9mm
	(E)SCS25	25mm	17mm	22	4.8mm	2.0mm
	SCSA25	25mm	17mm	22	4.8mm	2.0mm
	(E)SCS27	27mm	19mm	24	4.8mm	2.0mm
	SCSA27	27mm	19mm	24	4.8mm	2.0mm
	(E)SCS29	29mm	21mm	26	4.8mm	2.0mm
	SCSA29	29mm	21mm	26	4.8mm	2.0mm
	(E)SCS31	31mm	23mm	28	5.0mm	2.2mm
	SCSA31	31mm	23mm	28	5.0mm	2.2mm
	(E)SCS33	33mm	25mm	32	5.2mm	2.2mm
	SCSA33	33mm	25mm	32	5.2mm	2.2mm

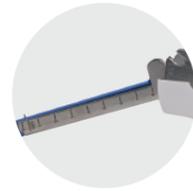


# Single Use Linear Cutters



### Auto bumped knife protector

Avoid misfiring from empty cartridge and protect the surgeons and nurse in operation



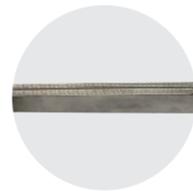
### Floating reload

Cannot be fired if the instrument don't close properly



### Adjustable bidirectional firing knob for easy control of firing

Applicable for different operating habits



### Reinforced instrument body

Ensure good staple formation after multiple firings



**Patented 3 rows of staple line design**  
Excellent hemostatic effect, better blood supply



**Alignment pin design**  
Accurate fixation, ensure good staple formation



**Segmental firing**  
More safe in second close

Figure	Item Code	Suture Length	Staple Qty	Staple Height	Formation Height
	SLC60B	63mm	64	3.8mm	1.5mm
	SLC80B	83mm	84	3.8mm	1.5mm
	SLC100B	103mm	104	3.8mm	1.5mm
	SLC60G	63mm	64	4.8mm	2.0mm
	SLC80G	83mm	84	4.8mm	2.0mm
	SLC100G	103mm	104	4.8mm	2.0mm
	LCR60B	63mm	64	3.8mm	1.5mm
	LCR80B	83mm	84	3.8mm	1.5mm
	LCR100B	103mm	104	3.8mm	1.5mm
	LCR60G	63mm	64	4.8mm	2.0mm
	LCR80G	83mm	84	4.8mm	2.0mm
	LCR100G	103mm	104	4.8mm	2.0mm

Item Code	Suture Length	Staple Line	Staple Qty	Staple Height	Formation Height	Color	Color
PSLS30B2/G2	30mm	2	13	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLS45B2/G2	45mm	2	17	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLS60B2/G2	60mm	2	23	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLS100B2/G2	100mm	2	41	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLS30W3/B3/G3	30mm	3	20	2.5/3.8/4.5mm	1.0/1.5/2.0mm	White/Blue/Green	
PSLS45B3/G3	45mm	3	26	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLS60B3/G3	60mm	3	35	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLR30B2/G2	30mm	2	13	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLR45B2/G2	45mm	2	17	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLR60B2/G2	60mm	2	23	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLR100B2/G2	100mm	2	41	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLR30W3/B3/G3	30mm	3	20	2.5/3.8/4.5mm	1.0/1.5/2.0mm	White/Blue/Green	
PSLR45B3/G3	45mm	3	26	3.8/4.5mm	1.5/2.0mm	Blue/Green	
PSLR60B3/G3	60mm	3	35	3.8/4.5mm	1.5/2.0mm	Blue/Green	



## Single Use Hemorrhoidal Staplers



**24.1ml ultra-large capacity**  
Accommodate more tissue



**One-piece central rod design**  
Ensure excellent concentricity and verticality. Ensure consistent of the staple formation



**53mm central rod design**  
Providing better operation view



**Single edged circular knife**  
Ensure sharper cutting



**Obvious feedback when firing**  
High quality gasket provide obvious audible and tactile feedback



**Variable speed tail**  
Protect stomas while removing stapler, uniformly squeeze tissue when closing stapler



**More staples**  
Providing excellent hemostatic effect



**Indicate window design**  
**Tissue compression scale**  
Fire until the indicators within the green zone, ensure the safe suture

Item Code	Outer Dia	Inner Dia	Staple Qty	Staple Height	Formation Height	Color	Color
SHS32	32mm	24mm	32	4.0mm	2.0mm	Green	
SHS34	34mm	26mm	34	4.0mm	2.0mm	White	



Purse-string Suture Anoscope



Obturator



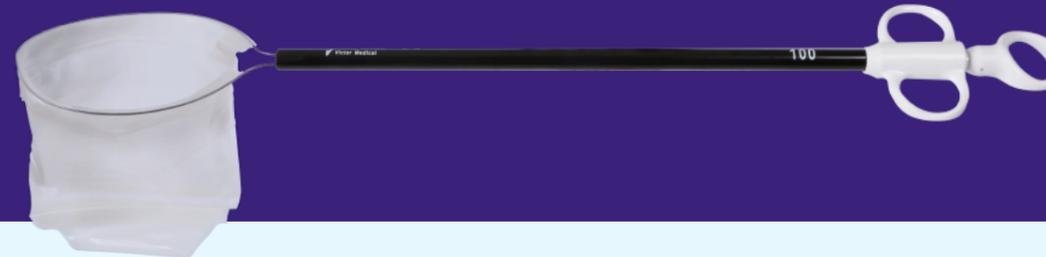
Circular Anal Dilator



Suture Threader



## Single Use Endoscopic Retrievers



6 sizes provide more options for different sizes specimen



Medical grade nontoxic TPU material



Retriever bag could open automatically and smoothly easy to operation



Excellent performance of elasticity and intensity to ensure reliable and convenient operation

Figure	Item Code	Bag Height	Bag Diameter	Bag Capacity
	VER09	150mm	90mm	150ml
	VER12	200mm	120mm	500ml
	VERB60	175mm	60mm	100ml
	VERB80	175mm	80mm	300ml
	VERB100	175mm	100mm	550ml
	VERB130	175mm	130mm	750ml



## Single Use Skin Staplers & Removers

Item Code	Staple Qty	Width
DSS15G/DSS15B	15	Wide/Regular
DSS25G/DSS25B	25	Wide/Regular
DSS35G/DSS35B	35	Wide/Regular
PDSS15G/PDSS15B	15	Wide/Regular
PDSS25G/PDSS25B	25	Wide/Regular
PDSS35G/PDSS35B	35	Wide/Regular
DSSC		Remover



Rapid and convenient operation to benefit for wound healing

Single Use device, prevent cross infection

Regular/wide staple options, applicable for different wounds



## Single Use Curved Cutters



- Radian 30° providing better suture & cutting length.
- Specially for lower section of rectum surgery

Code	Diameter of staple line	Staple height	Closed height	Color
SCC 40	40mm	4.8mm	2.0mm	



## CERTIFICATES



VICTOR'S FOOTMARKS