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PENTAX
MEDICAL

THE SMART SOLUTION TO REDUCE BLIND SPOTS

G-EYE® System

G-EYE® System

Key benefits

G-EYE® PILOT

Technical Information

Triple Aim



A sophisticated system to reduce blind spots

G-EYE® System

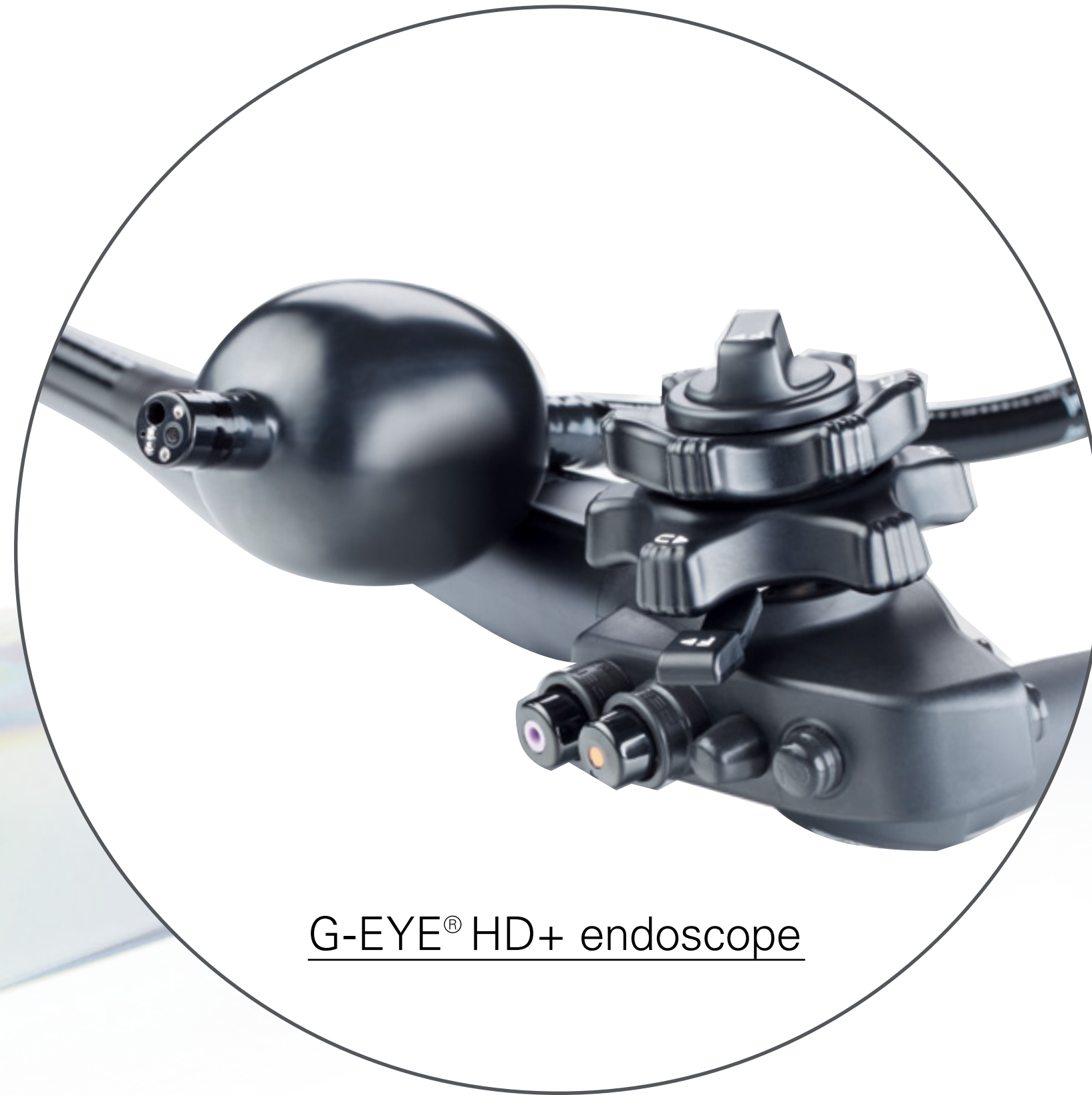
G-EYE®
System

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Information

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G-EYE® HD+ endoscope



NaviAid™ AB-F
Advancing Balloon



NaviAid™ SPARK2C
Inflation System and
G-EYE® Leak Tester



G-EYE® PILOT

Unique detection and therapeutic capabilities

G-EYE® System

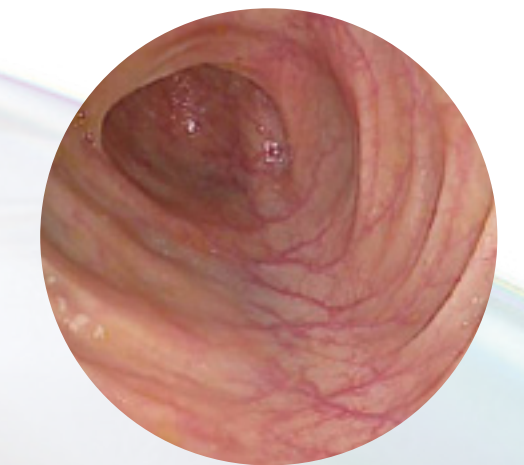
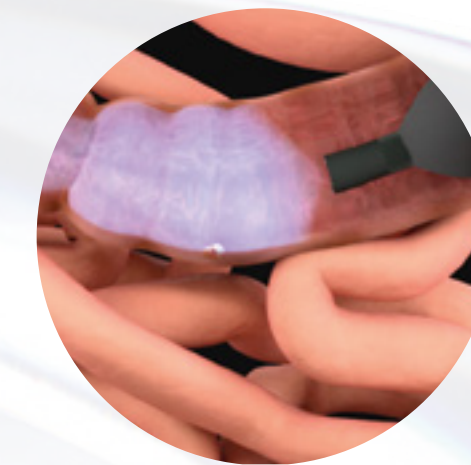
The G-EYE® System offers unique detection and therapeutic capabilities.

The G-EYE® HD+ endoscope features a permanently integrated latex-free balloon at the bending section. With the balloon partially inflated it straightens and stretches the colonic folds and supports physicians to find potential adenomas, flat lesions and polyps hiding behind, between or on top of them. As needed, the balloon can be fully inflated to anchor and stabilize the endoscope during intervention and especially during polypectomy in difficult positions.

It has been proven that increased detection rates lead to shorter patient surveillance intervals and reduce the risk of interval colorectal cancer (I-CRC)^{1),2)} verifiable. Additionally, the combination of G-EYE® HD+ endoscope with the disposable NaviAid™ AB-F Advancing Balloon allows deep small intestine two-balloon enteroscopy.

Unique Controlled Withdrawal™ technique

Support in locating flat lesions and polyps hiding behind, between, or on the colonic folds.



Offers increased adenoma detection rate



[Explore the key benefits](#)

1) Corley DA, Jensen CD, Marks AR, et al. Adenoma detection rate and risk of colorectal cancer and death. N Engl J Med. 2014;370(14):1298-306.
2) Kaminski MF, Regula J, Kraszewska E, et al. Quality indicators for colonoscopy and the risk of interval cancer. N Engl J Med. 2010;362(19):1795-803.

Safe inflation at all times

NaviAid™ SPARK²C Inflation System

The innovative NaviAid™ SPARK²C inflation system provides safe inflation at all times.



G-EYE® Leak Tester



NaviAid™ SPARK²C
Inflation System

Anchoring pressure for stabilization

Unique Controlled
Withdrawal™ pressure
technique

Constant monitoring and
leak testing before and during
the entire procedure

Easy operation

Product specifications

Key benefits

G-EYE® System

Reduction of blind spots

Achieve a 28 % increase¹⁾ in the adenoma detection rate, due to the enhanced visualization of the mucosa by straightening colon folds and eliminating bowel slippage.

[Click for more information](#)

On-demand two-balloon enteroscopy

The combination of G-EYE® HD+ endoscope and NaviAid™ AB-F Advancing Balloon allows to go beyond normal colonoscopy into deep small bowel two-balloon enteroscopy.

[Click for more information](#)

Improved interventional procedures

The stabilization of the colonoscope leads to faster and more controlled interventions due to the centralized position of the endoscope through the balloon in the large intestine.

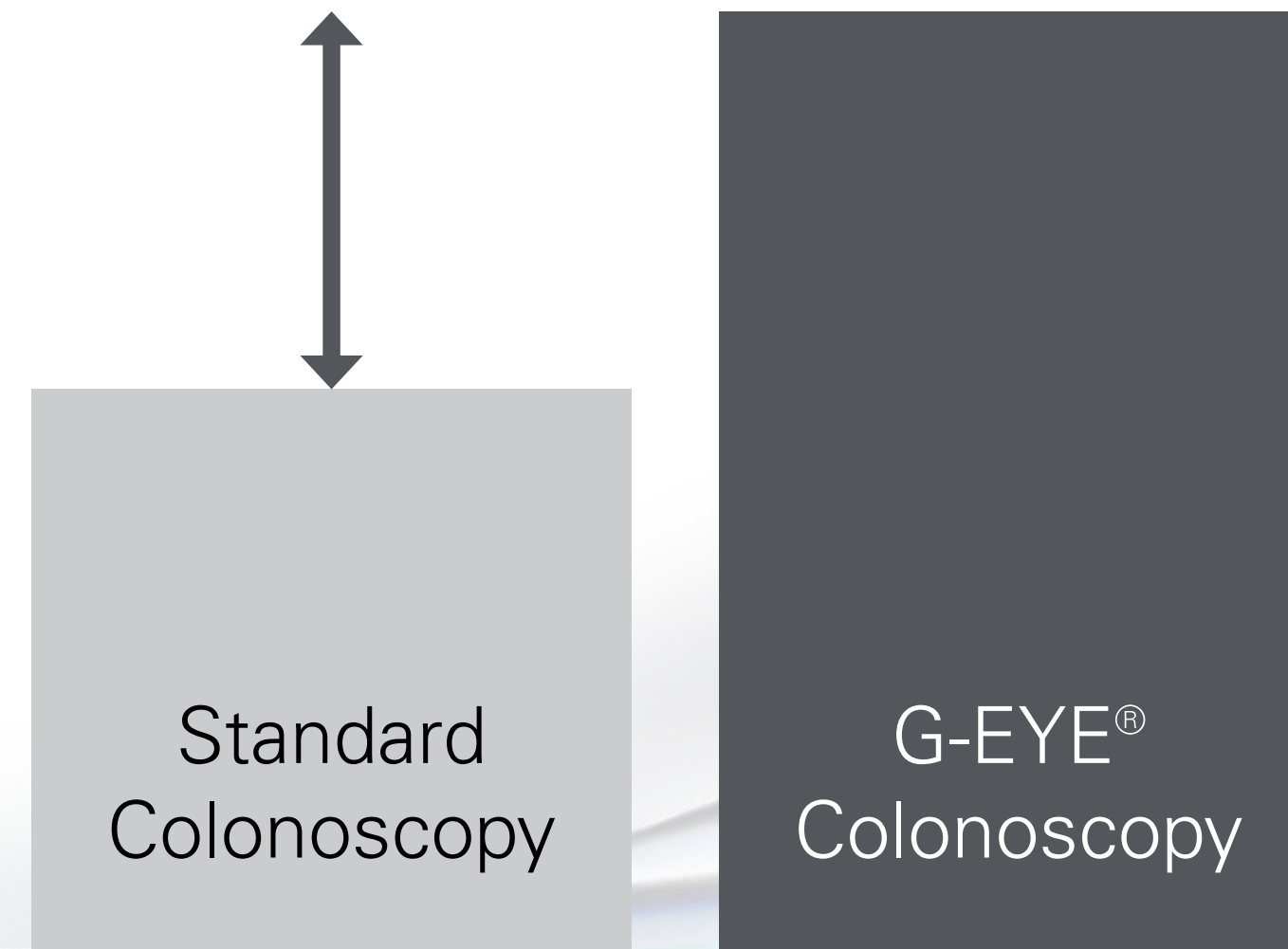
[Click for more information](#)

Reduction of blind spots

G-EYE® HD+ endoscope

Compared to standard scopes, the G-EYE® HD+ endoscope has proven to offer a 28% increase in the adenoma detection rate¹⁾. It has been proven that increased adenoma detection rates lead to shorter patient surveillance intervals and reduce the risk of interval colorectal cancer (I-CRC)^{2),3)} verifiable.

28%
ADR increase

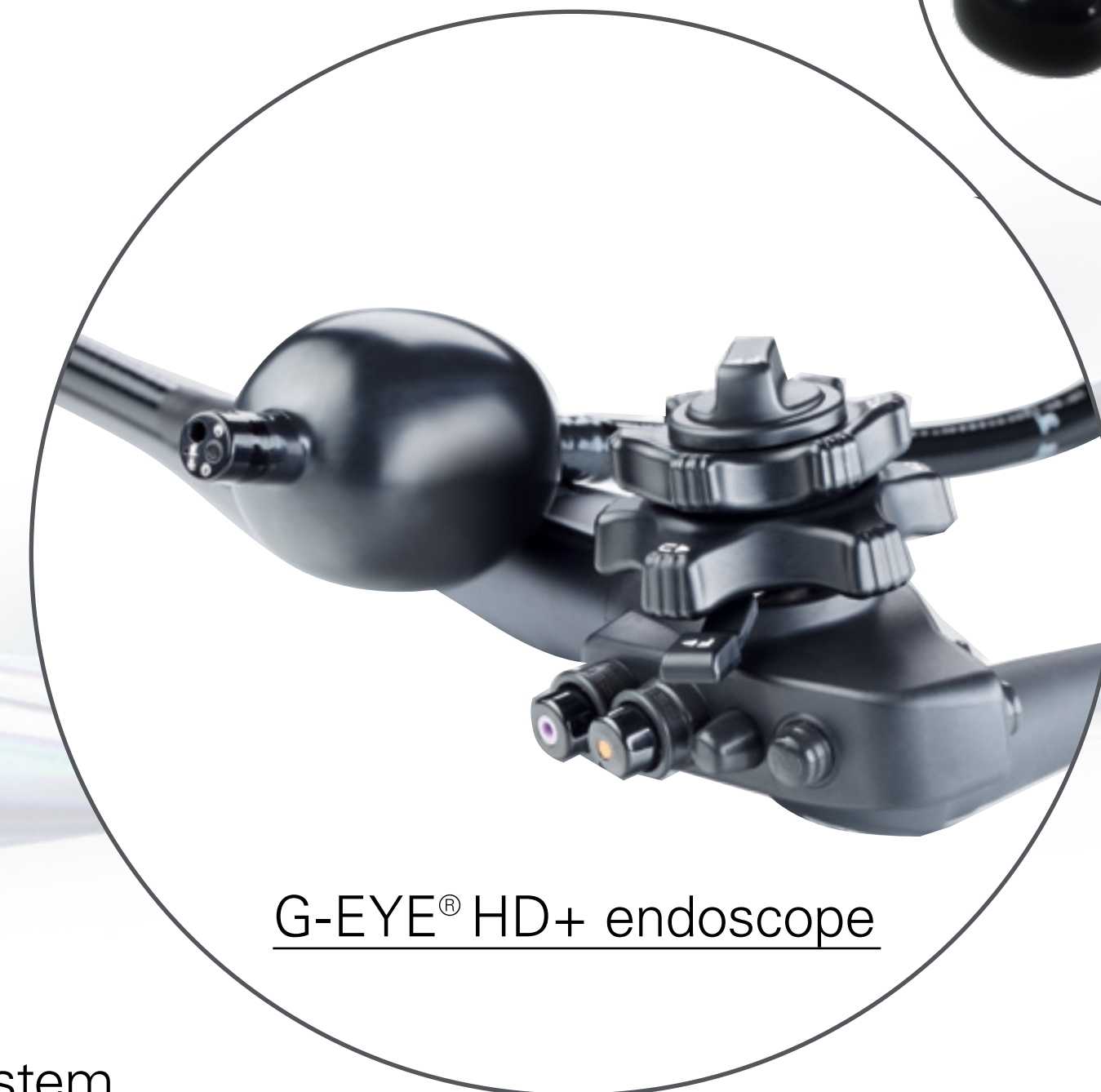


1) Shirin H, Shpak B, Epshtein J, et al. G-EYE® colonoscopy is superior to standard colonoscopy for increasing adenoma detection rate: an international randomized controlled trial. *Gastrointest Endosc.* 2018;
2) Corley DA, Jensen CD, Marks AR, et al. Adenoma detection rate and risk of colorectal cancer and death. *N Engl J Med.* 2014;370(14):1298-306.
3) Kaminski MF, Regula J, Kraszewska E, et al. Quality indicators for colonoscopy and the risk of interval cancer. *N Engl J Med.* 2010;362(19):1795-803.

On-demand two-balloon enteroscopy

NaviAid™ AB-F Advancing Balloon

The G-EYE® HD+ endoscope, combined with the disposable NaviAid™ AB-F Advancing Balloon applied through the instrument channel, provides an ultimate assembly for performing deep and small intestine two-balloon enteroscopy. The G-EYE® HD+ endoscope as well as the AB devices are controlled simultaneously by the NaviAid™ SPARK²C inflation system.



[Find out more about the NaviAid™ SPARK²C inflation system.](#)

Improved interventional procedures

G-EYE® HD+ endoscope

G-EYE® HD+ endoscopes offer optimal access to lesions behind folds and improve therapeutic capabilities due to colonoscope stabilization which result in faster and more controlled procedures.



Easily maintained
endoscope positioning

Fast and controlled
intervention

A unique combination: G-EYE® and SCOPEPILOT™

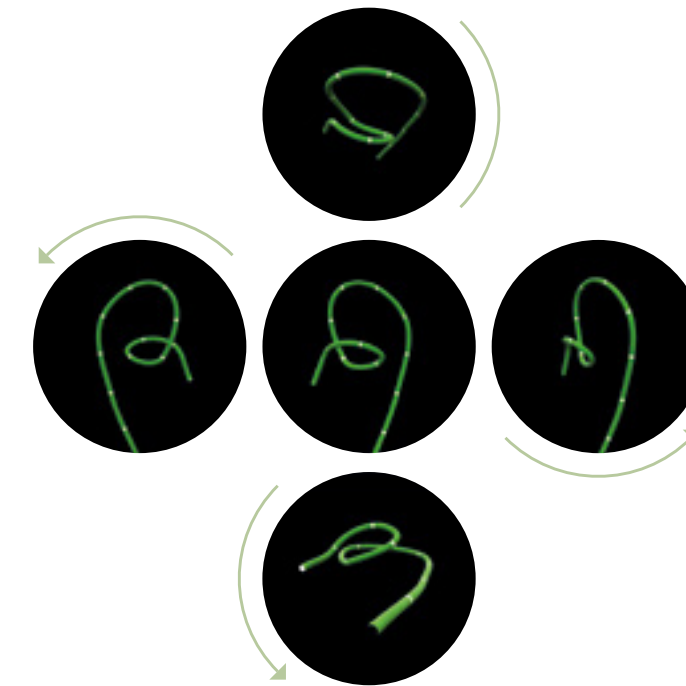
G-EYE® PILOT



G-EYE® PILOT is the unique colonoscopy solution, combining the next generation 3D navigation system SCOPEPILOT with the known detection and therapeutic capabilities of G-EYE® in one scope.

SCOPEPILOT 3D navigation system supports you for a fast, safe and painless advancement of the endoscope to reach the caecum. It is reported that endoscopists are empowered to increase caecum intubation rate by up to 11 %¹⁾ and reduce caecum intubation time by up to 30 %¹⁾. Effective loop management may result in quick intubation times and higher completion rates.²⁾

This offers pinpoint navigation and differentiation of the IFT segments for an efficient, safe and comfortable procedure. The accurate scope tracking enables immediate loop management and increases patient compliance and level of satisfaction as well as caecum intubation rate accordingly.



3D representation generated by SCOPEPILOT navigation system

Image rotation on horizontal (x8) and vertical (x10) axes for improved differentiation of the insertion tube.



Split screen for simultaneous view of anterior and superior positions.

Field generator unit



[Click for more information](#)



1) Shah SG, Brooker JC, Williams CB, Thapar C, Saunders BP. Effect of magnetic endoscope imaging on colonoscopy performance: a randomised controlled trial. Lancet.2000;356(9243):1718-22.
2) Tschewinski N, Straulino F, Genthner A et al. COLONOSCOPY WITH THE 3D NAVIGATION SYSTEM SCOPEPILOT VERSUS STANDARD COLONOSCOPY. Endoscopy 2019; 51(04): 73 - 73. doi:10.1055/s-0039-1681385

G-EYE® HD+ Endoscopes

TYPE	G-EYE34-i10 [F/L]	G-EYE34i10c* [F/L]	G-EYE38-i10 [F/F2/L]	G-EYE38i10c* [M/F/F2/L]	G-EYE38-i10N** [F/L]
Direction of view [0°]	Forward				
Field of view [°]	140				
Working length [mm]	M 1,300/F,F2 1,500/L 1,700				
Tip angulation up–down [°]	180/180				
Tip angulation right–left [°]	160/160				
Instrument channel [mm]	3.8				
Insertion tube width [mm]	11.6			13.2	
Distal end width [mm]	11.5			13.2	
HD+, Water Jet System, i-FLEX, TrueTorque	available				
Permanently integrated G-EYE® reusable balloon for increased mucosa visualization	available, inflated balloon diameter up to 60mm				
Light source	XENON (processor integrated)	LED (at distal tip)	XENON (processor integrated)	LED (at distal tip)	XENON (processor integrated)

*compatible with IMAGINA video processor (EPK-i5500c)

**compatible with SCOPEPILOT 3D navigation system

Device specifications



TYPE

NaviAid™ SPARK²C Inflation System

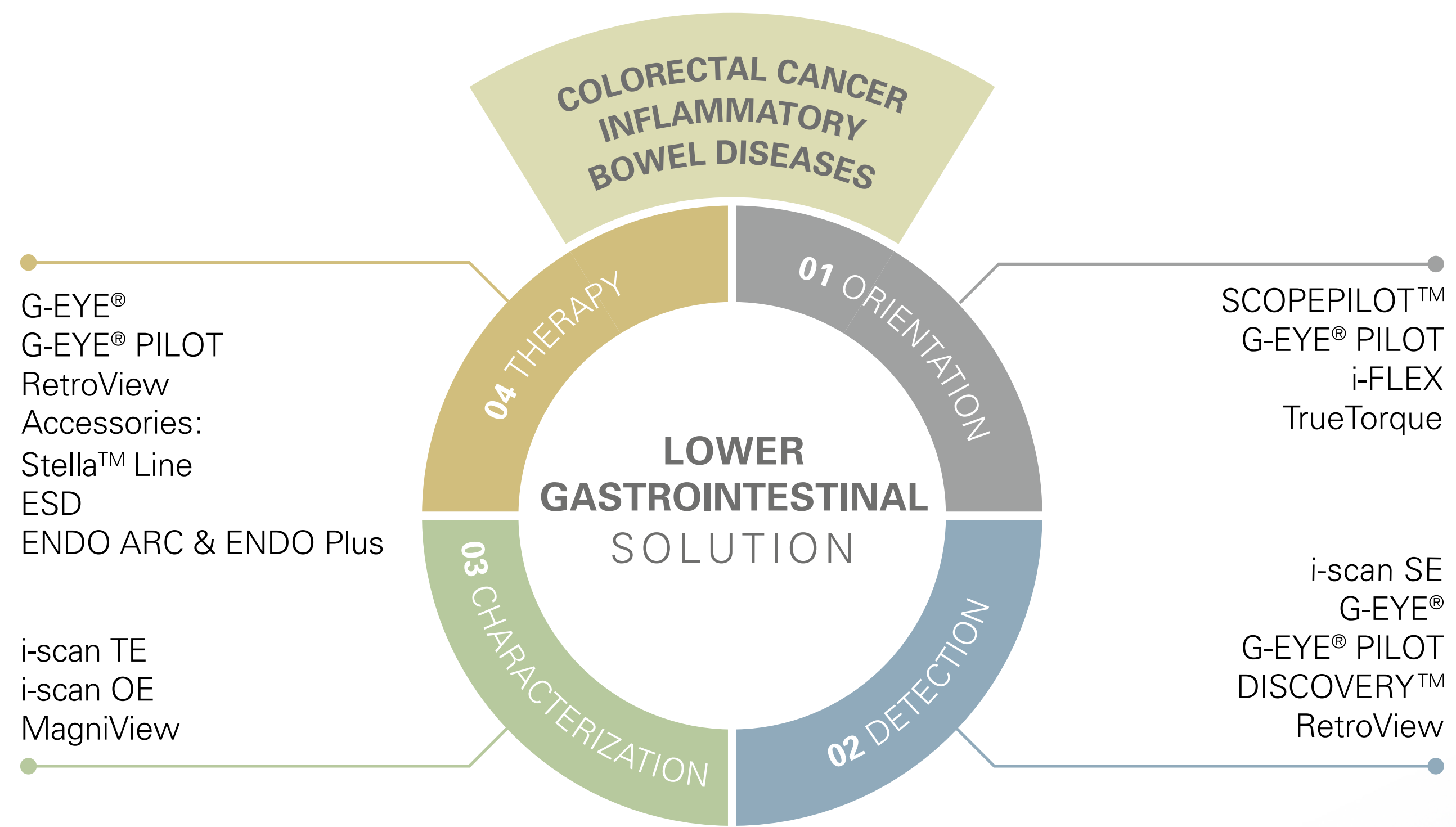
Electrical input voltage [VAC]	100–240
Electrical input frequency [Hz]	50–60
Dimensions [mm]	280 x 195 x 90
Weight [Kg]	1.3
Set pressure tolerance [mbar]	±10
Inflated balloon set pressure [mbar]	Anchoring pressure 70 mbar. Unique Controlled Withdrawal™ pressure – 3 intermediate levels

TYPE

NaviAid™ AB-F Advancing Balloon

Inflated balloon set pressure [mbar]	60
Catheter Length [mm]	3,500
Compatible Working Channel [mm]	≥ 3.7
Balloon Diameter [mm]	40

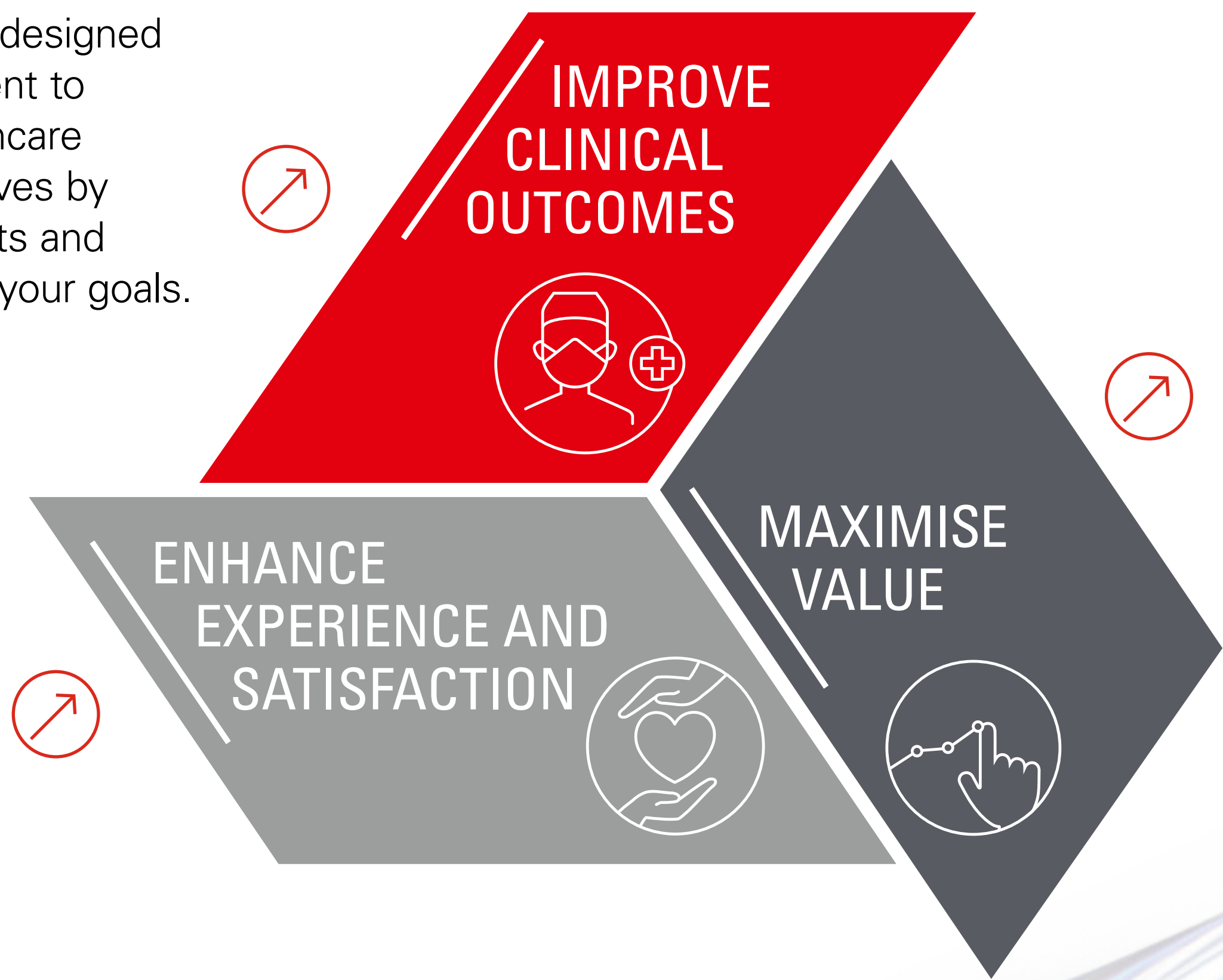
Clinical Solution



PENTAX Medical Triple Aim



Our **Triple Aim** program is designed to deliver on our commitment to support you and your healthcare organisation's wider objectives by providing programs, products and solutions to help you reach your goals.



PENTAX Medical Triple Aim



Enabling you to improve patient outcomes by offering evidence-based solutions across the continuum of care, dedicated to your needs. From screening through therapy with full scalability.



PENTAX Medical Triple Aim



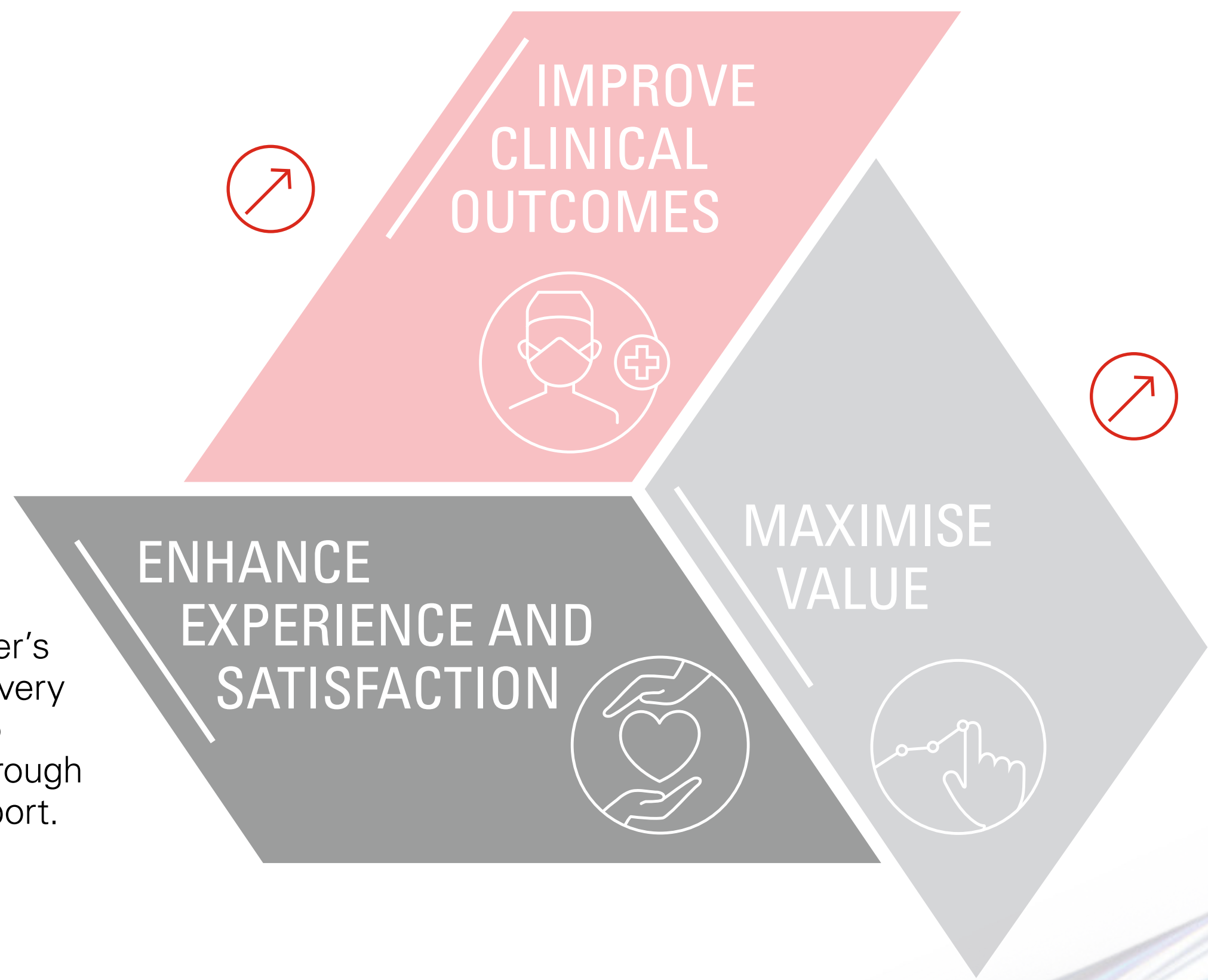
Ensuring value by enabling you to improve your efficiency and minimize healthcare costs.



PENTAX Medical Triple Aim



Enriching patient and provider's experience by empowering every member of your care team to achieve optimal outcomes through products, education and support.



Your needs shape our service



PROXIMITY WITH MULTILEVEL EXPERTISE

50+ PENTAX Medical partners across EMEA

Service Partners network all across Europe, Middle East, and Africa with certified technicians

Multilingual customer service

● PENTAX Medical companies
● PENTAX Medical partners

TRANSPARENCY AND PREDICTABILITY

IMPROVE CLINICAL OUTCOMES

ENHANCE EXPERIENCE AND SATISFACTION

MAXIMIZE VALUE

2000+ Up to date loaner fleet

Information and traceability online

Best-in-time turnaround on repairs

Tailored performance reports

MAXIMIZE VALUE

Hygiene and application personalized support

On-site training with application specialists


Wide contract offering to match customer needs

Original spare parts


For PENTAX Medical Service, our partnership means your success.

Manufacturers

ENDO ARC and ENDO Plus

 **BOWA-electronic GmbH & Co. KG**
 Heinrich-Hertz-Strasse 4-10
 72810 Gomaringen
 Deutschland

G-EYE® System

 **Smart Medical Systems Ltd.**
 5 HaNofar St.
 Ra'anana 4366404
 Israel

All others

 **HOYA Corporation**
 6-10-1 Nishi-shinjuku
 Shinjuku-ku, Tokyo
 160-0023 Japan

 **MedNet GmbH**
 Borkstrasse 10
 48163 Münster
 Germany

 **EMEA Headquarter
Germany**
 PENTAX Europe GmbH
 Julius-Vosseler-Straße 104
 22527 Hamburg

 0123
 TÜV Süd CE0123
 Medical device class: IIb

 0123
 MEDCERT No.0482
 Medical device class: I, IIa

 0123
 TÜV Süd CE0123
 Medical device class: I, IIa

This product must be used only by healthcare professionals.
 Before use and for detailed product specifications, please refer to the instructions for use. In the interest of technical process, specifications may change without notice.

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