

Medtronic

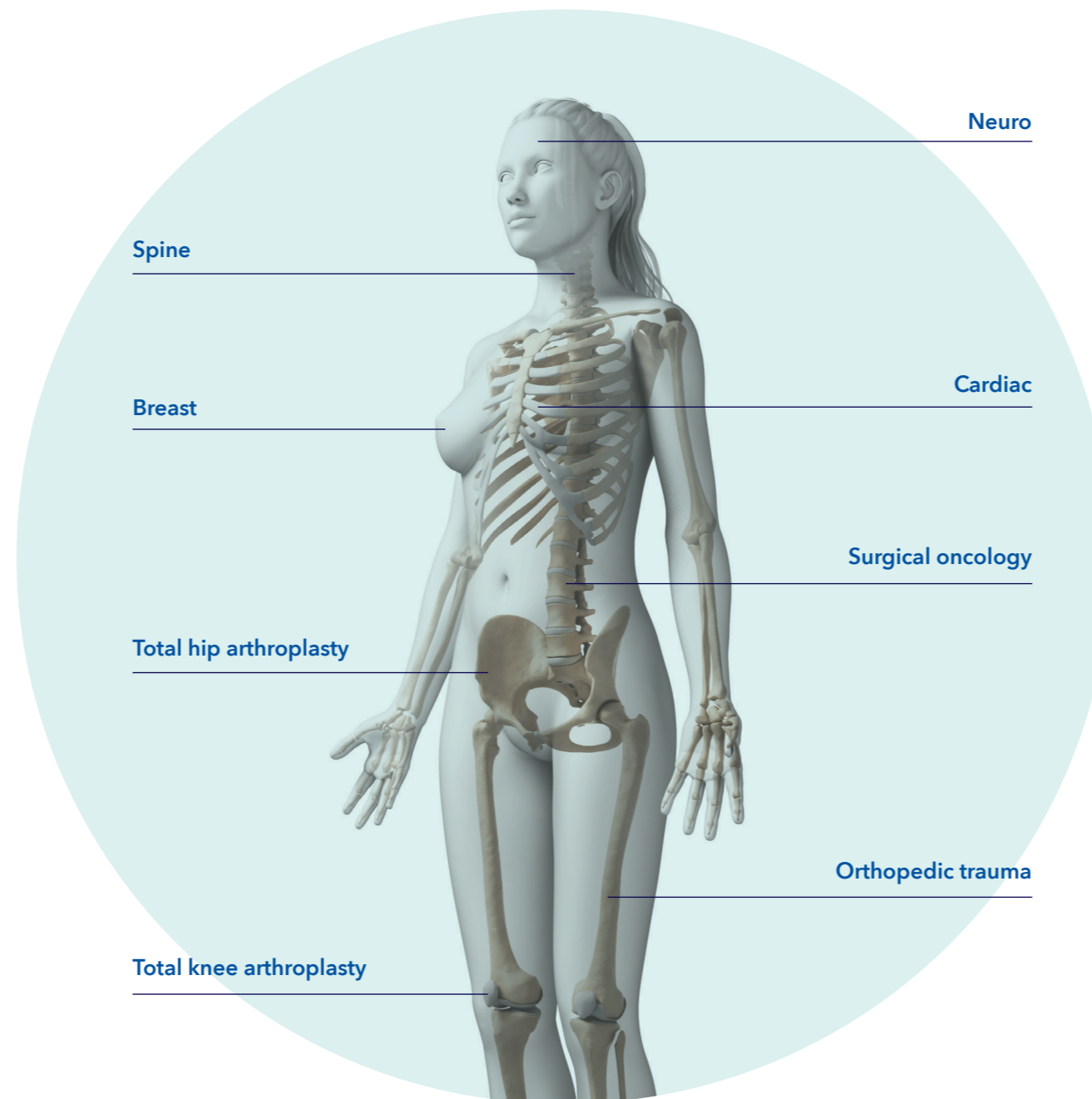
Product Catalog

Advanced Energy



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Technologies flexible enough to work from head to knee

Orthopedic Total Joints

- Total hip arthroplasty
- Total knee arthroplasty
- Total shoulder arthroplasty

Spine

- Multi-level spinal fusions
- Minimally invasive lumbar fusions

Surgical Oncology

- Skin-sparing mastectomy
- Nipple-sparing mastectomy
- Solid organ resection (liver, kidney, pancreas)
- Thoracic procedures

Cardiac

- CIED generator changeouts

Neurosurgery

- Brain tumors via transsphenoidal procedure
- Open craniotomy
- Implantable neurostimulation systems

Aquamantys™ Bipolar Sealers



Aquamantys™ 6.0 Bipolar Sealer
Large electrodes provide broad plane hemostatic sealing
Width of Electrodes: 9.5 mm
Device Length: 28 cm
Product Number: 23-112-1



Aquamantys™ 2.3 Bipolar Sealer
Medium electrodes provide more precise application of hemostatic sealing
Width of Electrodes: 6.7 mm
Device Length: 28 cm
Product Number: 23-113-1



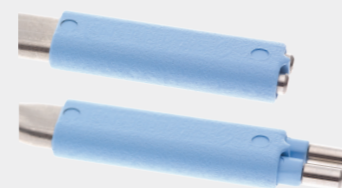
Aquamantys™ Malleable Bipolar Sealer (MBS)
Malleable shaft allows for access to hard-to-reach anatomy, while built-in LED provides illumination
Width of Electrodes: 9.5 mm
Device Length: 28 cm
Product Number: 23-301-1



Aquamantys™ Epidural Vein Sealer (EVS) 4.0
Insulated shaft enables electrode use near critical anatomy such as dura and nerve roots
Width of Electrodes: 4.0 mm
Device Length: 32.4 cm
Product Number: 23-121-1



Aquamantys™ Mini Epidural Vein Sealer (EVS) 3.4
Insulated shaft enables electrode use near sensitive tissue such as dura and nerve roots with a 3.4-mm tip for small epidural access points
Width of Electrodes: 3.4 mm
Device Length: 32.4 cm
Product Number: 23-314-1



Aquamantys™ Sheathed Bipolar Sealer (SBS) 5.0
Retractable sheath enables use near sensitive tissue such as dura and nerve roots (sheath closed), and hemostatic sealing of soft tissue and bone (sheath open)
Width of Electrodes: 5.0 mm
Device Length: 32.4 cm
Product Number: 23-312-1



Aquamantys™ 9.5 XL Bipolar Sealer
Cone-shaped electrodes aid in blunt dissection and provide hemostatic sealing
Width of Electrodes: 9.5 mm
Device Length: 28 cm
Product Number: 23-313-1



Aquamantys™ Endo VS 8.7R VATS Bipolar Sealer
Laparoscopic length and rounded electrodes enable broad plane hemostasis in thoracoscopic procedures
Width of Electrodes: 8.7 mm
Device Length: 47.50 cm
Product Number: 23-320-1



Aquamantys™ Endo DBS 8.7 Dissecting Bipolar Sealer
Laparoscopic length and cone-shaped electrodes aid in blunt dissection in thoracoscopic procedures
Width of Electrodes: 8.7 mm
Device Length: 47.50 cm
Product Number: 23-317-1

Aquamantys™ bipolar sealers combine radiofrequency (RF) energy and saline to provide hemostatic mechanical sealing of soft tissue and bone - with minimal smoke or char.^{1,2}

This technology allows the device to operate at approximately 100°C, nearly 200°C less than traditional electro-surgical devices.²



PlasmaBlade™ X Dissection Devices



PlasmaBlade™ X 3.0S Dissection Device

Features an adjustable telescoping shaft, integrated smoke evacuation, and a bendable blade

Width of Electrode: 3.0 mm

Device Length: 18 - 27 cm

Product Number: PS210-030S



PlasmaBlade™ X 4.0 Dissection Device

Features a bendable blade and rotating finger grip for multiple dissection angles

Width of Electrode: 4.0 mm

Device Length: 19 cm

Product Number: PS200-040



Plasmablade™ X 4.0S Dissection Device

Features a bendable blade, rotating finger grip for multiplied dissection angles and integrated smoke evacuation

Width of Electrode: 4 mm

Device Length: 19 cm

Product number: PS200-041S



Plasmablade™ X 3.0 Light Dissection Device

Features 4 integrated LED illumination, adjustable telescoping shaft, integrated smoke evacuation, and a bendable blade

Width of Electrode: 3 mm

Device Length: 18 - 27 cm

Product number: PS210-030S-LIGHT

PlasmaBlade™ X Dissection Devices

use brief, precise pulses of radiofrequency (RF) energy to cut and coagulate soft tissue.

RF energy, combined with proprietary insulation technology, enables PlasmaBlade™ X devices to dissect with the precision of a scalpel and the bleeding control of traditional electrosurgery, while producing minimal thermal damage to surrounding tissue.^{3,4}



AEX™ Generator & accessories



The AEX™ generator delivers precise waves of radiofrequency energy to Aquamantys™ bipolar sealers and PlasmaBlade™ X dissection devices, offering simultaneous activation of multiple technologies.

The lightweight generator features a touchscreen interface, four memory settings, and rapid startup and priming.

AEX™ Generator
 Dimensions: 36.8 x 43.2 x 16.5 cm
Product Number: 40-405-1



The accessories are used in conjunction with the AEX™ generator, Aquamantys™ bipolar sealers and PlasmaBlade™ X dissection devices as part of the Medtronic Advanced Energy portfolio.

Universal Cart
 The Universal Cart helps manage OR space, featuring a generator platform, supply compartment, and cord management
 Dimensions: 50.8 x 64.8 x 102.9 cm
Product Number: 34-108-1

Ordering information

Bipolar Sealers

Aquamantys™ 6.0	23-112-1
Aquamantys™ 2.3	23-113-1
Aquamantys™ MBS	23-301-1
Aquamantys™ EVS 4.0	23-121-1
Aquamantys™ Mini EVS 3.4	23-314-1
Aquamantys™ SBS 5.0	23-312-1
Aquamantys™ 9.5 XL	23-313-1
Aquamantys™ Endo VS 8.7R VATS	23-320-1
Aquamantys™ Endo DBS 8.7	23-317-1

Dissection Devices

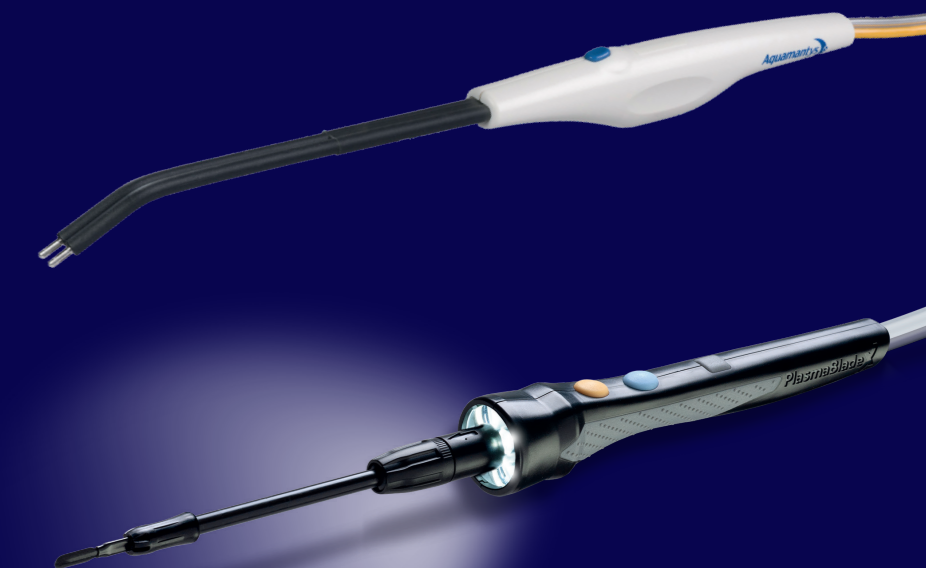
PlasmaBlade™ X 3.0S	PS210-030S
PlasmaBlade™ X 4.0	PS200-040
PlasmaBlade™ X 4.0S	PS200-041S
PlasmaBlade™ X 3.0S LIGHT	PS210-030S-LIGHT

Generators

AEX™ Generator	40-405-1
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Accessories

Universal Cart	34-108-1
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See the device manual for information regarding the instructions for use, indications, contraindications, warnings, precautions, and potential adverse events. For further information, contact your local Medtronic representative and/or consult the Medtronic website at [medtronic.eu](https://www.medtronic.eu).

References

1. Data on file. Report 81-10-5683.
2. Geller DA, Tsung A, Maheshwari V, et al. Hepatic resection in 170 patients using saline-cooled radiofrequency coagulation. *HPB* 2005;7:208-213.
3. Loh SA, Carlson GA, Chang EI, Huang E, Palanker D, Gurtner GC. Comparative healing of surgical incisions created by the PEAK PlasmaBlade™ X, conventional electrosurgery, and a scalpel. *Plast Reconstr Surg*. 2009;124(6):1849-1859.
4. Ruidiaz ME, Messmer D, Atmodjo DY, et al. Comparative healing of human cutaneous surgical incisions created by the PEAK PlasmaBlade™ X, conventional electrosurgery, and a standard scalpel. *Plast Reconstr Surg*. 2011;128(1):104-111.

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This material is for Healthcare Professionals in countries with applicable health authority product registrations.
Important: Always refer to the Instructions For Use (IFU) packaged with the product/e-IFU for complete instructions, indications, contraindications, warnings, and precautions.
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