Da Vinci X

Expand your potential.

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1
2
3
4

Expand your potential

As a cost-effective gateway to the fourth generation of da Vinci surgical systems, the da Vinci X can grow with your robotics program as you perform innovative minimally invasive surgery for your patients.

Designed so you can comfortably perform a range of procedures, this system provides visual guidance during setup, a linear port placement, and a smaller, thinner arm design. This enables a broader reach than previous generations of da Vinci systems.[1]

Plus, you can use much of the same advanced technology available for our most capable platform, the da Vinci Xi surgical system, making upgrades straightforward if your needs evolve.

Build on a solid foundation

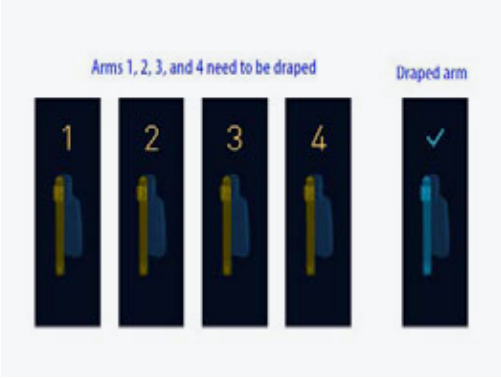
Intuitive created the da Vinci X surgical system by using experience from three previous generations and thousands of hours working with surgeons and staff. Now the benefits of robotic-assisted surgery can be brought to any operating room at a lower price.[2]

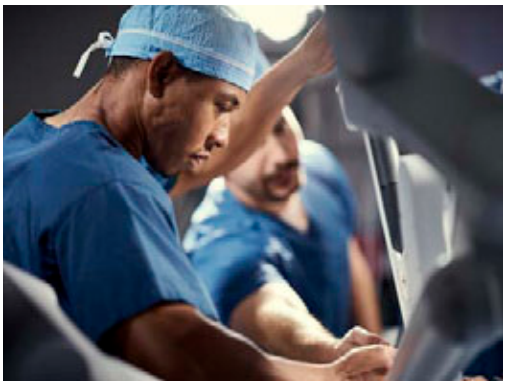
Set up quickly
Follow a clear interface as you set up, and utilize a laser guidance system that helps take the guesswork out of positioning the patient cart.

Simplify port placement
The architecture of the fourth-generation instrument arms allows ports to be placed in a straight line for multi-port procedures.

Switch your view
A universal arm design allows you to insert the endoscope on any arm at any time during your procedure.

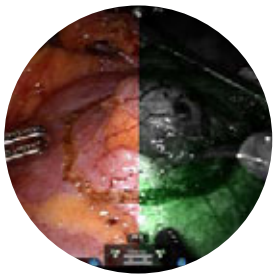
Get a greater range of motion[1]
By combining longer instruments with thinner arms[1], the da Vinci X surgical system can help limit the potential for collision while focusing on precision.





Access the latest da Vinci innovations

Choosing the da Vinci X surgical system means you can use the same instruments available for the da Vinci Xi, enabling you to standardize instruments for your multi-port patient carts.



See tissue in a different light
Built-in Firefly fluorescence imaging gives you real-time visualization and assessment of vessels, bile ducts, and tissue perfusion.

Put the power in your hands
The integrated ERBE VIO dV generator helps you fine-tune energy output and switch presets when you need to directly from the surgeon console.

Staple with control
Da Vinci Stapling offers a full range of lengths and reloads—30, 45, and 60 mm—as well as fully wristed articulation, complete surgeon control from the console, and software-driven feedback to help reduce guesswork.

Get two grip strengths in one grasper
Force Bipolar with DualGrip technology can help streamline setup and minimize workflow disruptions by reducing instrument exchanges.

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Upgrade when you are ready

Powered by da Vinci OS4, the fourth generation of da Vinci surgical systems allows flexible configurations and an upgrade path as your program needs evolve, whether you are switching to the da Vinci Xi or adding future technologies.

Da Vinci X patient cart

Da Vinci Xi patient cart

Surgeon console

Vision cart

System comparison

	Da Vinci X	Da Vinci Xi
Core technology		
Da Vinci OS4 compatible	✓	✓
Intuitive motion	✓	✓
EndoWrist technology	✓	✓
Immersive 3DHD stereo viewer	✓	✓
Upgradeable architecture	✓	✓
Technology enhancements[1]		
Dual console compatible	✓	✓
Single-Site technology	✓	✓
Vessel Sealer Extend	✓	✓
Firefly Fluorescence Imaging	✓	✓
Multi-Port instruments and endoscope	✓	✓
Integrated energy	✓	✓
Da Vinci stapling portfolio	✓	✓
Platform modularity	✓	✓
Handheld camera	✓	✓
Endoscope Plus	✓	✓
Capability enhancements[1]		
Streamlined port placement	✓	✓
Extended anatomical access	×	✓
Integrated Table Motion	×	✓
Boom rotation	×	✓
Ease of use enhancements[1]		
Automated setup tasks	×	✓
Advanced intraoperative adjustments	×	✓
Universal cart positioning	×	✓
Optimized patient side access	×	✓

Purchasing information

Da Vinci X system

To contact a representative or receive additional information visit:
www.intuitive.com

or

call Intuitive Customer Service in Europe at:

+41.21.821.2020 or
+800.0821.2020 (toll free)

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What you get[3]

The da Vinci X system has three components:

1. A unique **patient cart**
2. A **surgeon console** providing an immersive, ergonomic experience
3. A **vision cart** supporting the latest 3DHD vision system

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Important safety information

Serious complications may occur in any surgery, including da Vinci Surgery, up to and including death. Examples of serious or life-threatening complications, which may require prolonged and/or unexpected hospitalization and/or reoperation, include but are not limited to, one or more of the following: injury to tissues/organs, bleeding, infection and internal scarring that can cause long-lasting dysfunction/pain.

Risks specific to minimally invasive surgery, including da Vinci surgery, include but are not limited to, one or more of the following: temporary pain/nerve injury associated with positioning; a longer operative time, the need to convert to an open approach, or the need for additional or larger incision sites. Converting the procedure could result in a longer operative time, a longer time under anesthesia, and could lead to increased complications. Contraindications applicable to the use of conventional endoscopic instruments also apply to the use of all da Vinci instruments.

For Important Safety Information, indications for use, risks, full cautions and warnings, please also refer to www.intuitive.com/safety.

Individuals' outcomes may depend on a number of factors, including but not limited to patient characteristics, disease characteristics and/or surgeon experience.

Da Vinci Surgical Systems

The Intuitive Surgical Endoscopic Instrument Control Systems (da Vinci X, da Vinci Xi and da Vinci Si surgical systems) are intended to assist in the accurate control of Intuitive Surgical Endoscopic Instruments during urologic surgical procedures, general laparoscopic surgical procedures, gynecologic laparoscopic surgical procedures, general thoracoscopic surgical procedures, thoracoscopically-assisted cardiotomy procedures, and trans-oral otolaryngology surgical procedures restricted to benign tumors and malignant tumors classified as T1 and T2, and for benign base of tongue resection procedures. The systems can also be employed with adjunctive mediastinotomy to perform coronary anastomosis during cardiac revascularization. The systems are indicated for adult and pediatric use (except for trans-oral otolaryngology surgical procedures). They are intended to be used by trained physicians in an operating room environment.

The da Vinci X, da Vinci Xi and da Vinci Si surgical systems are class IIb medical devices CE marked (CE0543) under the European Medical Devices Directive (93/42/EEC), manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

Firefly Fluorescence Imaging

The da Vinci Firefly imaging system is intended to provide real-time endoscopic visible and near-infrared fluorescence imaging. The da Vinci Firefly imaging system enables surgeons to perform minimally invasive surgery using standard endoscopic visible light as well as visual assessment of vessels, blood flow and related tissue perfusion, and at least one of the major extra-hepatic bile ducts (cystic duct, common bile duct or common hepatic duct), using near infrared imaging.

Table motion

The da Vinci table motion is intended to allow the surgical staff to reposition the patient by adjusting the table without undocking the da Vinci Xi surgical system during urologic surgical procedures, general laparoscopic surgical procedures, and gynecologic surgical procedures. It is designed to be used with a compatible operating room (OR) table.

Stapler family

The EndoWrist Stapler 45 and Stapler 30 instruments, Stapler 45 and Stapler 30 reloads and other stapler accessories are intended to be used with the da Vinci X and da Vinci Xi surgical systems for resection, transection and/or creation of anastomoses in general, thoracic, gynecologic and urologic surgery. The devices can be used with staple line or tissue buttressing material (natural or synthetic).

The EndoWrist Stapler 45 and Stapler 30 instruments, Stapler 45 and Stapler 30 reloads and other stapler accessories are class Is, IIa and IIb medical devices CE marked (CE0543) under the European Medical Devices Directive (93/42/EEC), manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

SureForm staplers

The SureForm 60 and SureForm 45, SureForm 60 and SureForm 45 reloads are intended to be used with a compatible da Vinci surgical system for resection, transection, and, or creation of anastomoses in general, thoracic, gynecologic, urologic, and pediatric surgery. The devices can be used with staple line or tissue buttressing material (natural or synthetic).

The SureForm 60 and SureForm 45, SureForm 60 and SureForm 45 reloads are class IIa and IIb medical devices CE marked (CE0543) under the European

Medical Devices Directive (93/42/EEC), manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

Force Bipolar
The EndoWrist Force Bipolar is intended to be used with compatible systems for endoscopic manipulation of tissue, including dissection, grasping, retraction, and bipolar coagulation of tissue.

The EndoWrist Force Bipolar is a class IIb medical device CE marked (CE0543) under the European Medical Devices Directive (93/42/EEC) manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

Single-Site
The Single-Site instruments and accessories are intended for use with the da Vinci X and da Vinci Xi surgical systems to enable multiple instruments in conjunction with the Single-Site Port accessory for use in single incision laparoscopic abdominal surgery.

The Single-Site instruments and accessories are class IIa and IIb medical devices CE0543 marked under the European Medical Device Directive (93/42/EEC), and manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

Vessel Sealer Extend
The Vessel Sealer Extend is a bipolar electrosurgical sealing and cutting instruments for use with the da Vinci Xi and da Vinci X surgical systems and the ERBE VIO dV electrosurgical generator. It is intended for grasping and blunt dissection of tissue and for bipolar coagulation and mechanical transection of vessels up to 7 mm in diameter and tissue bundles that fit in the jaws of the instrument. The Vessel Sealer Extend has not been shown to be effective for tubal sterilization or tubal coagulation for sterilization procedures, and should not be used for these procedures.

The Vessel Sealer Extend is class IIb medical devices CE marked (CE0543) under the European Medical Devices Directive (93/42/EEC), manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

ERBE VIO dV
The ERBE VIO dV with accessories electrosurgical unit is intended to deliver High Frequency (HF) current for the cutting and/or coagulation of tissue.

The ERBE VIO dV is a class IIb medical device CE marked (CE 0124) under the European Medical Devices Directive (93/42/EEC) manufactured by ERBE Elektromedizin GmbH. Refer to Instructions For Use before use.

Unless otherwise noted, all people depicted are models.

References

1. Compared to the da Vinci Si surgical system. Results of testing on file.
2. Lower price refers to initial expenditure on surgical system.
3. Parts of the da Vinci X surgical system may be refurbished or reconditioned.

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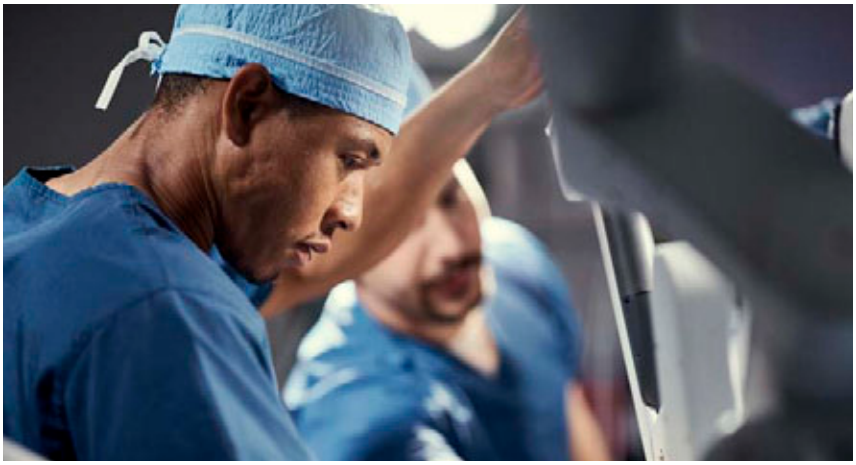

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