

Intuitive, headquartered in Sunnyvale, California, is a global leader in minimally invasive care and the pioneer of robotic-assisted surgery. Intuitive has more than 12,100 global employees, around 1,200 of them in Europe.

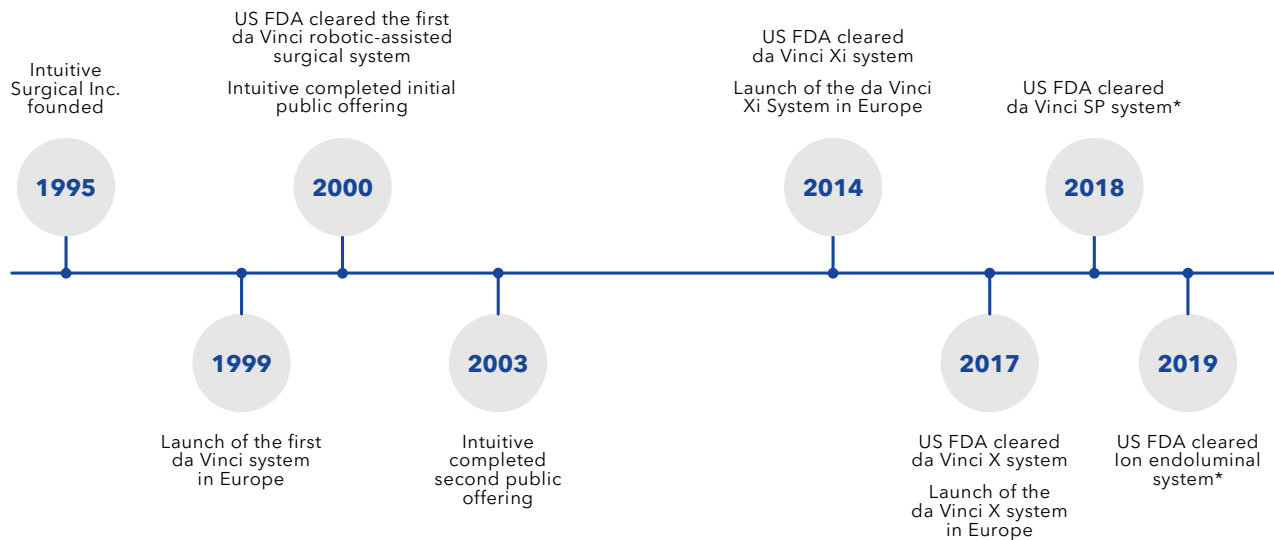
Mission Statement: At Intuitive, we believe that minimally invasive care is life-enhancing care. By combining ingenuity and intelligent technology, we expand the potential of physicians to help without constraints.

From the Beginning

In the late 1980s, robotic-assisted surgery was emerging in the heart of Silicon Valley, at the former Stanford Research Institute (SRI).

In the first decade of its development, interest in the nascent technology was as varied as the funding. The National Institutes of Health supported surgical applications, and by the early 1990s the US Defense Advanced Research Projects Agency had added funds in search of systems that could perform battlefield surgery. One of the founders of Intuitive acquired the initial technology from these projects, leading to the further refinement and development of surgical system technology.

In 1995, Intuitive Surgical Devices was founded, commercializing what was known at the time as the SRI system. In 1997, we began testing the first da Vinci surgical system. Intuitive received US FDA clearance for the first da Vinci surgical system in 2000.



*** The Ion endoluminal system and the da Vinci SP surgical system are not CE Marked and cannot be placed on the market nor put into service.**

7,500+

Da Vinci surgical systems installed in hospitals worldwide

12 million

Procedures performed to date, with **1,8 million** performed in 2022 alone

Systems placed in more than

70+ countries

Every 16,8 seconds

a surgeon begins a da Vinci procedure



Da Vinci Xi surgical system



Da Vinci X surgical system



Da Vinci SP (single port) surgical system*

About da Vinci surgical systems

Europe 01/2023

Intuitive creates innovative, robotic-assisted systems that help empower doctors and hospitals to make surgery less invasive than an open approach. Since the launch of the first da Vinci robotic-assisted surgical system for laparoscopic surgery, it has taken robotic-assisted surgery from “science fiction” to reality.

The da Vinci Xi- and X surgical systems are designed for a universal access for complex surgery using a minimally invasive approach. Intuitive is committed to innovating minimally invasive solutions that reduce variability in surgery and help deliver better care.

These da Vinci surgical systems consist of:

- an ergonomic surgeon console or consoles;
- a patient side cart with four interactive arms; and
- a high-performance vision system equipped with imaging and energy technology to enable communication between the da Vinci system components.

Powered by innovative technology, the da Vinci surgical system scales, filters, and translates the surgeon’s hand motions into more precise movements. Da Vinci instruments with EndoWrist bend and rotate greater than the human hand and offer enhanced access to the surgical site.

Da Vinci surgical systems have pioneered new capabilities in the OR, transforming the field of minimally invasive surgery.

[Da Vinci Firefly Fluorescence Imaging enables real-time visual assessment of vessels, blood flow, and tissue](#)

For the past 28 years, Intuitive has designed and manufactured several generations of da Vinci Surgical Systems. Today, Intuitive’s 4th-generation da Vinci surgical systems advance minimally invasive surgery across a wide spectrum of surgical procedures.

- Da Vinci Xi - our flagship system, with our most advanced instrumentation, vision and features
- Da Vinci X - our more cost-conscious system with the same arm architecture as our Xi system, and modular components for continued growth
- Da Vinci SP*- our single port system with one arm and three multi-jointed instruments and a fully wristed camera for narrow surgical spaces.

For the list of procedures and representative uses supported on each platform, please refer to the specific da Vinci system User Manual.

*** The da Vinci SP surgical system is not CE Marked and cannot be placed on the market nor put into service.**

66,000+

Surgeons worldwide trained on da Vinci surgical systems

34,000+

Peer-reviewed articles on the safety and efficacy of robotic-assisted surgery

Da Vinci training and simulation technology¹

Europe 01/2023

Patient safety is at the heart of, and the motivation for, our industry-leading, comprehensive technology training programs, which are designed to support surgeons throughout their career.

Intuitive offers a four-phase training program for the da Vinci System that includes case observations, video review, webinars, hands-on skills training, simulation, hands-on tissue training, and advanced and master courses. As with our technology, we refine our training program over the years using decades of data and insights from participants and hospitals.

The first two phases consist of core system and advanced technology training - where surgeons and their teams become familiar with the da Vinci System through test drives, videos, and live case observations - then move on to building technical skills with online learning, simulation, and hands-on training at one of Intuitive's training centers.

The second two phases consist of progressive, peer-to-peer clinical skill advancement, including plans for initial case series and continued surgeon development through mentoring, surgeon-led programs, and advanced simulation.

(Notes on Training: Intuitive facilitates access to peer-to-peer training and proctoring so that surgeons can continue their advanced surgical learning. Hospitals and surgical facilities establish and maintain their privilege policies for surgeons. Our direct training is limited to technology training. We do not have the right to grant or withhold surgical privileges.)

About Ion*

In 2019, the US FDA cleared the Ion endoluminal system, expanding Intuitive's minimally invasive platforms to include a tool that can enable minimally invasive peripheral lung biopsies.

In 2020 2.7 million new cases of cancer were diagnosed, and 1.3 million people died in 2020 from cancer in the European Union.¹ 20 % of these deaths are due to lung cancer.²

The Ion system* uses an ultra-thin articulating robotic catheter that can move 180 degrees in all directions. Physicians navigate the 3.5 mm catheter through small and tortuous airways to reach nodules in any airway segment within the lung. Ion* uses fiber optic shape-sensing technology that provides the physician with the precise location and shape information of the catheter throughout the navigation and biopsy process.

We continue to collect clinical data through ongoing clinical studies in hospitals throughout the United States. These studies may provide us with additional insights as to how Ion* can further assist physicians in achieving lung nodule biopsies.



Ion endoluminal platform*

*** The Ion endoluminal system is not CE Marked and cannot be placed on the market nor put into service.**

By the numbers - Intuitive in Europe

1995	Intuitive is founded
1999	The da Vinci surgical system receives CE-Mark approval
28	Years during which Intuitive has developed innovative approaches in the field of minimally invasive surgery
12 million	Procedures completed using da Vinci systems worldwide to date
1.8 million+	Procedures performed using da Vinci systems in 2022
260,000+	Procedures performed using da Vinci systems in Europe in 2022
7,500+	Da Vinci systems in hospitals around the world
1,300+	Da Vinci systems in Europe
66,000+	Surgeons trained to use the da Vinci surgical system worldwide
28,000+	Surgeons trained outside the USA
12,100+	Intuitive employees worldwide
1,200+	Intuitive employees in Europe
34,000+	Peer-reviewed scientific articles referencing da Vinci systems
3,000+	Peer-reviewed scientific articles in 2022
4,300+	Patents issued or owned by Intuitive
2,100+	Active patent applications

(as of 01/2023)

Product Information**Da Vinci X and Xi Surgical Systems**

The Intuitive Surgical Endoscopic Instrument Control Systems (da Vinci X and da Vinci Xi 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, 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 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 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.

The da Vinci X and da Vinci Xi Surgical Systems are class IIb medical devices CE marked (CE 2460) under the European Medical

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

Endowrist Instruments

EndoWrist Instruments, including blunt and sharp endoscopic dissectors, scissors, scalpels, forceps / pick-ups, needle holders, endoscopic retractors, electrocautery and accessories are intended for endoscopic manipulation of tissue, including grasping, cutting, blunt and sharp dissection, approximation, ligation, electrocautery, suturing, and delivery and placement of microwave and cryogenic ablation probes and accessories.

EndoWrist Instruments are class IIa and class IIb medical device CE marked (CE 2460) under the European Medical Devices Directive (93/42/EEC) manufactured by Intuitive Surgical, Inc. Refer to Instructions For Use before use.

The Ion endoluminal system and the da Vinci SP surgical system are not CE Marked and cannot be placed on the market nor put into service.

Legal Notices

¹ Training provided by Intuitive is limited to the use of Intuitive technology, instruments and accessories. It does not replace the necessary medical training and experience required to perform surgical procedures. Intuitive technology should only be used by physicians and staff who have received specific training in the use of Intuitive technology.

The information contained in this document has been checked and compiled with the greatest care. However, no responsibility is taken for its correctness, completeness and topicality. It is the sole responsibility of the recipient to check all information before using it in the individual case.

Last updated: February 2023

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References

¹ Dyba T et. al. The European cancer burden in 2020: Incidence and mortality estimates for 40 countries and 25 major cancers. Eur J Cancer. 2021 Nov;157:308-347.

² Ferlay J. et. al. Global Cancer Observatory: Cancer Today. Lyon, France: IARC. https://gco.iarc.fr/today/online-analysis-table?v=2020&mode=cancer&mode_population=continents&population=900&populations=908&key=asr&sex=0&cancer=39&type=1&statistic=5&prevalence=0&population_group=0&ages_group%5B%5D=0&ages_group%5B%5D=17&group_cancer=1&include_nmssc=0&include_nmssc_other=1#collapse-by_country (last accessed: Jan, 5th 2023)