MULTIX Impact & MULTIX Impact C
with myExam Companion

Strengthen your image

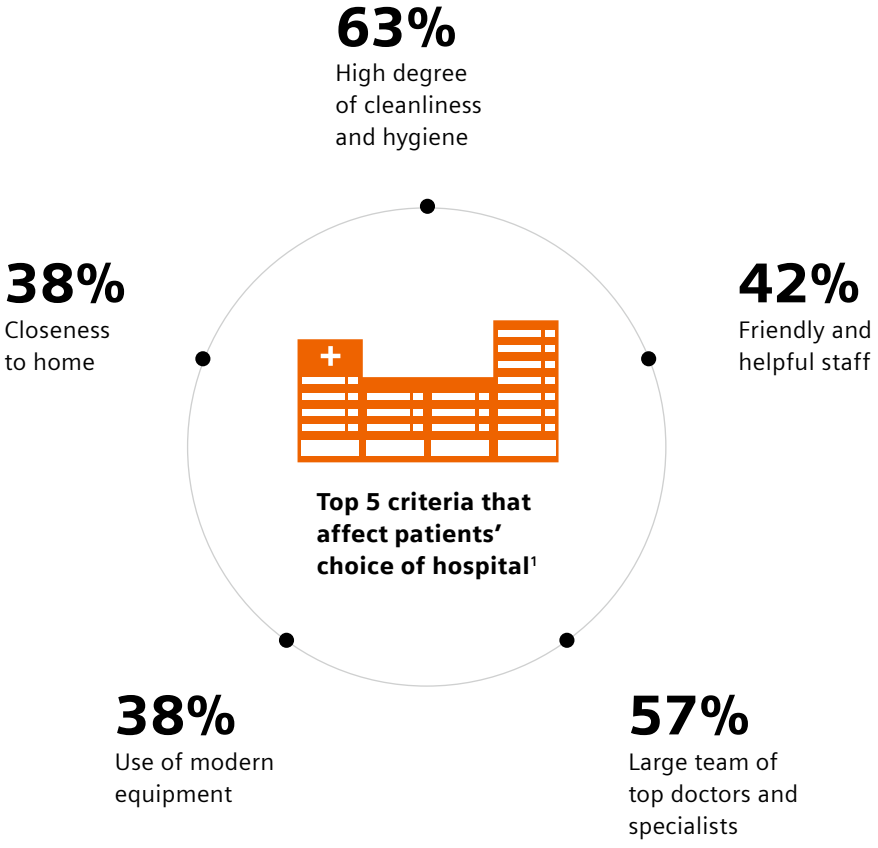
siemens-healthineers.com/multix-impact

SIEMENS Healthineers

Reputation matters

When it comes to choosing a healthcare provider, patients care about more than just geographical proximity. In these days of online resources and patient reviews, a good reputation can make all the difference: Modern equipment, friendly and helpful staff, experienced physicians, and cleanliness are all high on the list of criteria that patients consider when deciding where they want to receive treatment. Institutions that fulfil those needs are likely to attract more referrals and patients, and enjoy greater overall success.

What's more, myExam Companion launches the era of intelligent imaging. It guides operators through any scan procedure, so they can interact easily and naturally with both patient and technology, generating consistent, comprehensive results.



[1] *PwC-Umfrage "Krankenhäuser". Available from: https://www.pwc.de/de/gesundheitswesen-und-pharma/assets/pwc-befragung-krankenhaeuser-2014.pdf [Article in German]. [Accessed November 2019].*

MULTIX Impact & MULTIX Impact C

Strengthen your image

Radiography is a central, everyday touchpoint between patients, referring physicians, and your institution. Their perception of you can enhance – or hinder – your success. What if you could strengthen your image with every image you acquire?

Our answer for both floor-mounted and ceiling-mounted radiography: MULTIX Impact & MULTIX Impact C. High-end technology and user-assisting system intelligence with myExam Companion – at an economical price. Each system combines the established, excellent MULTIX Impact imaging quality with brand new staff- and patient-friendly features.

Your benefits? Reliable performance and high-quality on-time care to diverse patients, even at peak times – strengthening your image with everyone involved.

Discover MULTIX Impact radiography systems

At a glance	**4**
Strengthen your image with patients	**6**
Strengthen your image with staff	**8**
Strengthen your image with referring physicians	**12**
See anatomical details	**15**
Technical specifications MULTIX Impact	**16**
Technical specifications MULTIX Impact C	**18**
System variants	**20**
Benefit from innovative services	**22**
Fleet Level Benefits	**23**

MULTIX Impact radiography systems

At a glance

Floor-mounted or ceiling-mounted? Your choice.

The MULTIX Impact family gives you the flexibility to match your radiography system to your space, and to your operational and clinical needs. Whether floor-mounted or ceiling-mounted, MULTIX Impact and MULTIX Impact C stand for high-end technology and user- assisting system intelligence at an economical price.

Intelligent imaging with myExam Companion

myExam Companion launches the era of intelligent imaging. Using the new possibilities of digitalization, it turns data into built-in expertise. It guides you through any procedure with your MULTIX Impact system, so you can interact naturally with both patient and technology – and generate consistent results every time.

Sound diagnoses with AI-Rad Companion[1]

AI-Rad Companion is a family of vendor-neutral, multi-organ augmented reading solutions that is designed to automatically prepare clinical images to be interpreted by radiologists and/or clinicians.

[1] *AI Rad-Companion for MULTIX Impact and MULTIX Impact C is currently under development; is not for sale in the U.S. Its future availability cannot be guaranteed.*

Strengthen your image with patients

MULTIX Impact & MULTIX Impact C improve the imaging experience for your patients, featuring dose-efficient technology, a flat, elevating tabletop[2], and a modern design. Designed for patient well-being, MULTIX Impact systems enable workflows that optimize patient interaction – and take care of little patients, too.

Strengthen your image with staff

MULTIX Impact systems are designed to make working less stressful and more satisfying. Their ergonomic design and simple workflows help put the focus back on your patients. Both systems are motorized, for less physical strain on staff, while the touchscreen and myExam 2D Camera[2] provide easy operation and more control.

Strengthen your image with referring physicians

The MULTIX Impact family is built for consistent outcomes, fast results, and peak system availability. System uptime is assured with premium components and an innovative service concept. Moreover, MULTIX Impact promotes standardization, reducing user-dependent variations and enabling consistently high image quality.

[2] *Option*

Strengthen your image with patients

Uncomfortable examinations, strained staff, and outdated technology are all reasons why patients might avoid one institution in favor of another. MULTIX Impact radiography systems feature a welcoming design and advanced technology that help create a positive experience.

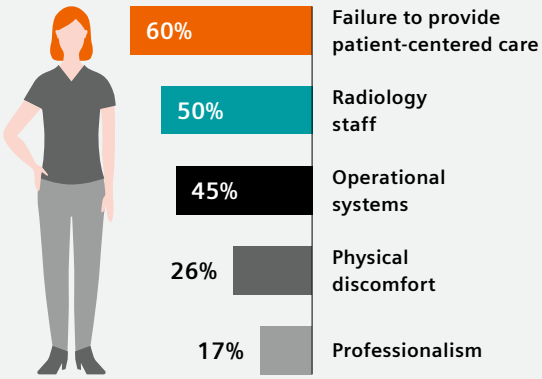
Comfortable imaging for your patients

Patient well-being is at the heart of the MULTIX Impact family. The ergonomic design, elevating table[2], and free-floating flat table-top enable easy patient access and transfer. Impact Illuminate[2] indicates the system status via colored lights so patients can follow the imaging process, which helps them feel that they are in good hands.

Keep in contact

The integrated myExam 2D Camera[2] helps you set up each examination accurately and keep in contact with your patients. This can lead to better images and higher patient satisfaction, potentially reduce the number of retakes, and lessen the dose per image. Good patient contact also provides confidence for challenging cases – with children, elderly people, or patients in pain.

Patients care about their experience



The most common complaints from radiology patients[1] concern a lack of patient-centered care and problems with radiology staff members. Insufficient quality in operational systems is also a source of dissatisfaction for patients.

[1] *Salazar G, Quencer K, Aran S, et al. (2013): Patient satisfaction in radiology: qualitative analysis of written complaints generated over a 10-year period in an academic medical center.*
[2] *Option*

MULTIX Impact & MULTIX Impact C offer a Remote Interface

More time at the patient's side

MULTIX Impact & MULTIX Impact C offer positioning aids that allow you to focus on your patients, not on technology. The tube-mounted touchscreen lets you remain at the patient's side while setting up the examination, so you can answer questions and provide reassurance. While the Positioning Guide and rotating tube display help you get the image right first time.

Take your control panel with you

With Remote Interface[2], the tablet-based workflow for MULTIX Impact systems, you can access the system's major functions in the examination or control room – enabling you to work closer to your patients. Remote Interface lets you clearly identify patients by scanning their QR or barcodes before you take them to the examination room. It also allows you to edit the list of Organ Programs (OGPs) of a study on the go.

Safe and efficient pediatric examinations

With MULTIX Impact & MULTIX Impact C, you can assure parents that their children are in good hands. Children are different, and their small bodies are more sensitive to radiation. Dedicated pediatric Organ Programs achieve the highest image quality at the lowest possible dose. And with the myExam 2D Camera you can make sure children stay in the right position – and potentially avoid the additional radiation that would come with a retake.

Strengthen your image with staff

Dissatisfaction at work can lead to higher staff turnover and less productivity that could have a financial impact on your department. MULTIX Impact radiography systems are designed with hospital staff in mind – allowing your team to work under easier, safer, more satisfying conditions.

Easy operation – at your fingertips

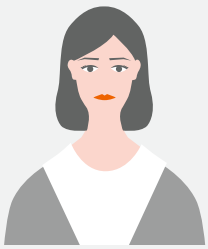
Both MULTIX Impact systems enable excellent outcomes while making operating the system as easy as possible – even in the case of less experienced staff. The systems have a tube-mounted touchscreen so you can stay with the patient while setting up examination parameters inside the examination room, which simplifies workflows and increases time with patients.

Simplify preparation & positioning

With the clear Positioning Guide on the tube touchscreen and workstation of MULTIX Impact and MULTIX Impact C, you can position patients with precision and confidence – even for challenging examinations. Body-part graphics make it easy to select the right OGP for each case, and content sensitivity help provides targeted problem-solving for smoother workflows.

Repetitive stress is a burden on technologists

86%
spend over two hours in awkward positions every day



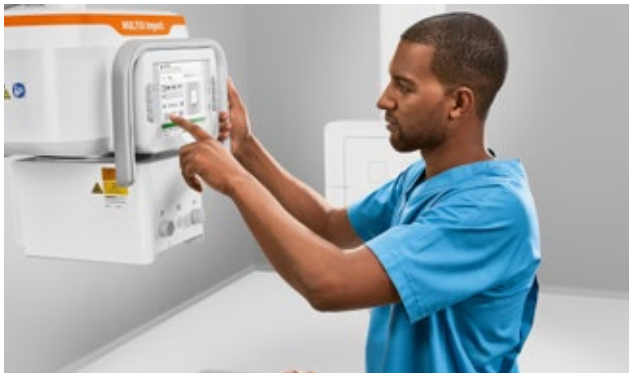
70%
reported repetitive stress symptoms

Reasons for repetitive stress symptoms:

- Heavy imaging equipment
- Patient transfer

In a survey of 104 technologists[1], the primary causes of repetitive stress symptoms were factors related to patients and imaging equipment, like patient transfer and heavy imaging equipment.

[1] *Siegal DS, Levine D, Siewert B, et al. (2010): Repetitive stress symptoms among radiology technologists: prevalence and major causative factors*



Fast and intuitive to learn – in only 10 hours of training[1]

Both MULTIX Impact and MULTIX Impact C are so intuitive to handle that it requires about ten hours of online training[2] via Siemens Healthineers' learning platform PEPconnect plus remote application training[3] – so users can quickly get to grips with the system and start operating it with confidence. The tailored education concept blends in with your work and matches all experience and skill levels.

Easy acquisition of high-quality images – with flexible detectors

MULTIX Impact systems work with either the full-sized Core XL or the well-known MAX wi-D[4] (wireless detector). Their wireless design, handles, and in-tray charging support flexible use and enable faster and more relaxed workflows.

[1] *Not applicable for all system configurations*
[2] *Online education material in PEPconnect is available 24/7.*
[3] *Prerequisite for remote application support is an existing connection to our SRS infrastructure and an existing service contract including this service offering. A two-day onsite application training is available as an option. Employees still have access to the online education material.*
[4] *Option*

myExam 2D Camera – optimal support for orthopedic exams

MULTIX Impact and MULTIX Impact C offer the myExam 2D Camera[1] for easy system operation and more control. The camera always keeps the patient in focus, provides reassurance, and enables myExam Collimate. Designed to enhance orthopedic examinations, myExam Collimate unlocks three pioneering functionalities:

Smart Virtual Ortho[1] – for less guesswork and more accuracy in orthopedic exams

Auto Long-Leg Collimation[1] – for automated AI-based long-leg detection, tube alignment, and collimation support

Auto Full-Spine Collimation[1] – for automated AI-based full-spine detection, tube alignment, and collimation support

---

Smart Virtual Ortho and Auto Long-Leg/ Full-Spine Collimation can speed up average preparation times for orthopedic multi-image acquisitions by more than 20% – even for highly experienced users.[2]

Smart Virtual Ortho smoothens the preparation of orthopedic exams

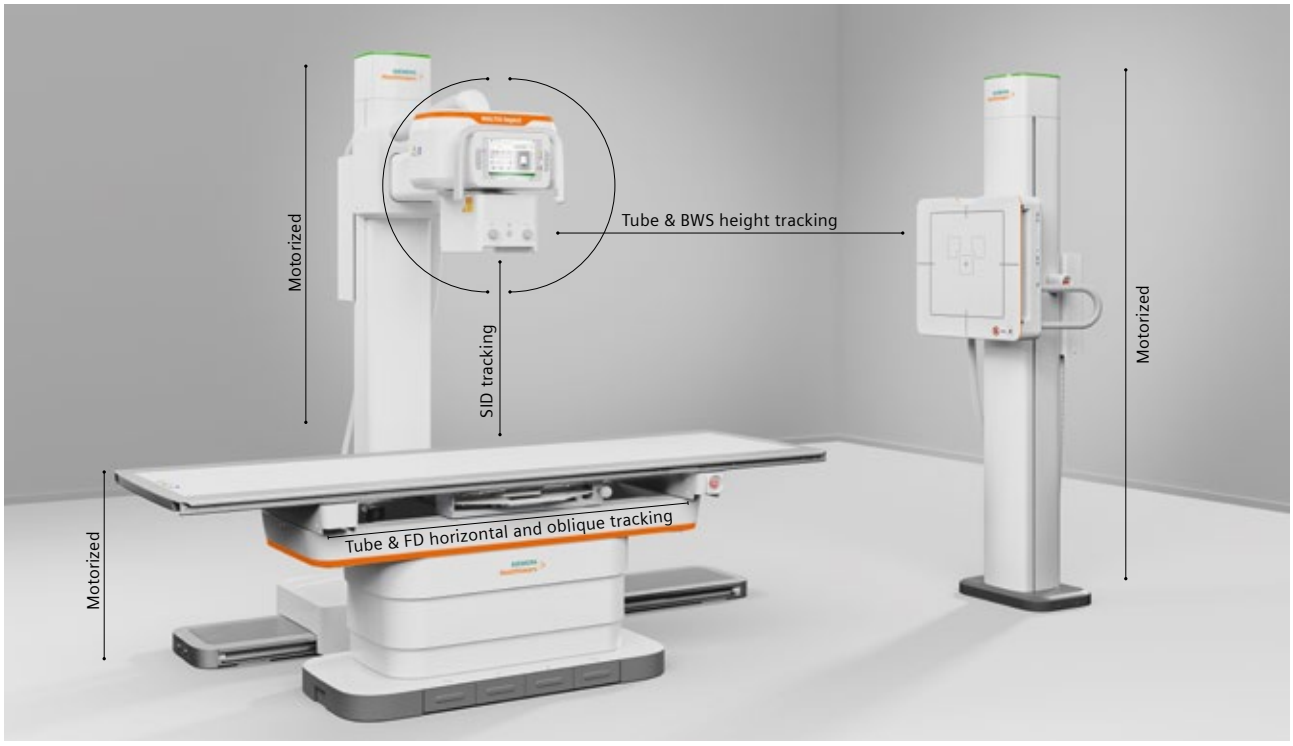
Using the live image of the myExam 2D Camera, Smart Virtual Ortho allows you to accurately set the start and end point of the imaging. Patient movements can be detected quickly, avoiding unnecessary retakes, and easing the burden on orthopedic patients. Via Auto Stitching, up to four single images are automatically acquired and processed into a single image, leaving more time for patient care. With Smart Virtual Ortho you can easily judge whether you can perform an exam with fewer images – which can help reduce dose for each individual patient.

The right orthopedic image with ease: Auto Long-Leg and Auto Full-Spine Collimation

Auto Long-Leg and Auto Full-Spine Collimation are AI-based and automatically detect the respective region of interest and sets the appropriate collimation automatically. This helps you deliver long-leg and full-spine images with ease. You can focus on your patients and their well-being – while the system takes care of everything else.

[1] *Option*

[2] *Based on a study with five technologists performing 45 manual test cases and 45 test cases with the Auto Collimation, data on file.*



System motorization & automation – less strain on staff

Both MULTIX Impact systems come with powerful solutions for automation and motorization – providing optimum support for radiographers' daily routine.

Strong motorization
In MULTIX Impact and MULTIX Impact C, table[1], and Bucky wall stand[1] are fully motorized. The high degree of motorization enables easier system positioning and reduces the physical effort to prepare an examination. Your staff will experience less physical burden – and more ease in every examination.

MULTIX Impact with SmartMove – accelerates your workflows
The floor-mounted MULTIX Impact offers SmartMove[1] for a high degree of system automation: With SmartMove, a virtually unlimited number of system positions for table and Bucky wall stand[1] examinations can be predefined and stored. With the push of a button, MULTIX Impact moves into programmed positions. In short: The system finds the right way to the image while you focus on your patient.

SmartMove is fast, simple, and safe
In MULTIX Impact, unintentional system movements are avoided with the safety function of the remote control – because it only reacts in the palm of a human hand. A pre-programmed zone around all system components, plus individual adjustments to your room, help ensure safety for patients and staff.

MULTIX Impact C – with SmartPositioning
For the ceiling-mounted MULTIX Impact C, you can store auto-positions of all motorized system parts for each OGP individually. With the push of a button the system will move to the OGP-linked position automatically, while you can still fine-tune the position of the tube manually. SmartPositioning[1] in MULTIX Impact C provides smoother, more relaxed workflows – and brings more ease into preparing and setting up the examination.

Strengthen your image with referring physicians

Satisfaction among referring physicians declines when unexpected downtime or inconsistent image quality delays the delivery of results. MULTIX Impact radiography systems were built to achieve peak system availability and produce fast and reproducible high-quality results every time.

Delays can impair your relationship with referring physicians

Referring physicians
"not very satisfied"/"not at all satisfied"

28%
with time to receipt of written report

18%
with time to receipt of X-ray images

62%

54%

Physicians rating each of the above indicators as **"very important"**

Referring physicians place high importance on receiving written reports and X-ray images on time. Delays and the unavailability of previous findings are sources of dissatisfaction among referrers.[1]

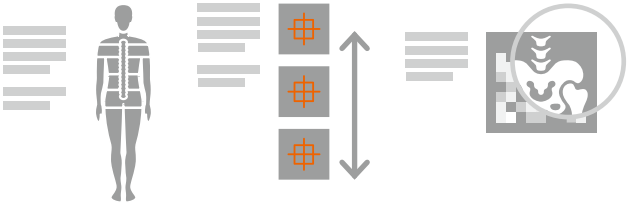
Outstanding reliability, availability, and cybersecurity

Your radiography system is a key asset of your imaging value chain. This is why the comprehensive Siemens Healthineers service concept aims to optimize system availability. Preventive maintenance addresses issues before they become a problem. Safety checks help you comply with guidelines and regulations, and certified OEM spare parts keep your system running as it should. Benefit from remote services and updates[2], allowing you to schedule them for when it is most convenient. While a comprehensive cybersecurity concept makes sure your radiography systems stay protected in a connected world.

[1] *Kubik-Huch RA, Rexroth M, Porst R, et al. (2005): Referrer satisfaction as a quality criterion: developing a questionnaire for measuring the quality of services provided by a radiology department. [Article in German].*
[2] *Prerequisite is an existing connection to our SRS infrastructure.*

Fast and standardized results

Our latest radiography systems enable fast digital imaging cycles, with the system guiding you through the entire imaging process – from registration to examination to postprocessing. Operating MULTIX Impact & MULTIX Impact C is intuitive, so you and your team can get up to speed fast and be confident of delivering high image quality every time.

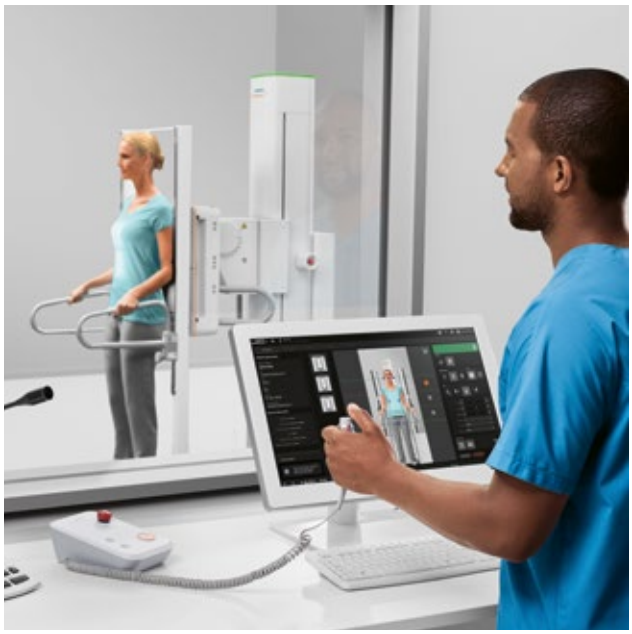


Tailored images, delivered on time

MULTIX Impact & MULTIX Impact C offer a wide range of preconfigured Organ Programs, comprising imaging and workflow parameters for different body parts and imaging sequences. Body-part graphics displayed on the user interface of the workstation make it easy to select the right OGP. The programs accelerate your workflows and minimize errors so radiologists will receive the high-quality images they need to deliver robust diagnoses on time.

Your image, your flavor

All OGPs offer up to four preconfigured image flavors so radiologists can work with images in their preferred look and feel. Adjusting the flavor takes only a single click and is processed in three to four seconds.



Reduce user-dependent variations in orthopedic exams

MULTIX Impact and MULTIX Impact C come with new functionalities that ease your reading routine: Smart Virtual Ortho[1] and Auto Long-Leg and Full-Spine Collimation[1]. These pioneering functionalities enable a high degree of standardization for your imaging results and lessen user variations in image acquisition. Reproducible imaging results allow you to reach a higher quality standard, especially for your orthopedic images. This makes reading faster, easier, and more consistent.

Study ID: 5aaa719

Full-Spine AP Upright

This picture is not acquired with MULTIX Impact or MULTIX Impact C. It was modified for better visualization.

[1] *Option*

See anatomical details with high image quality

Excellence in radiography applications

Study ID: 5aaa417

Thorax AP

Study ID: 5aaa706

Hand AP

Study ID: 5aaa384

Knee AP

Study ID: 5aaa707

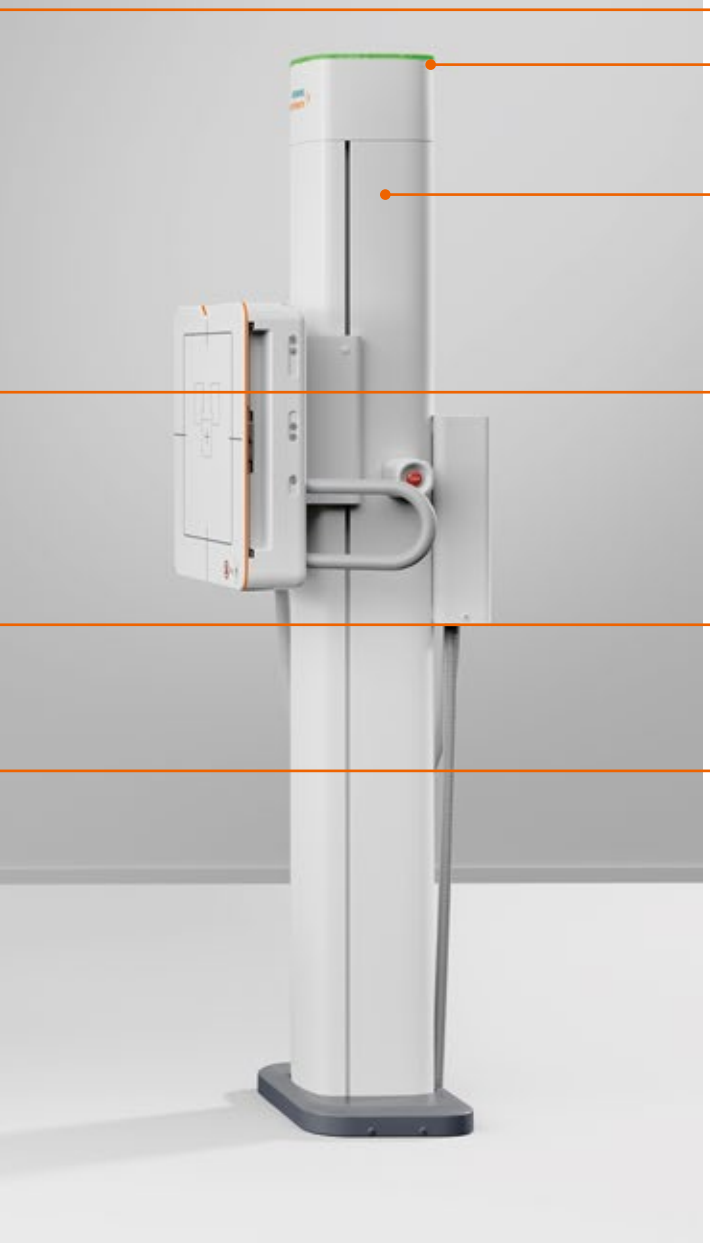
Spine AP

23.8” All-in-one PC

- Intuitive imaging system
- Fast image flavor setting
- Touchscreen user interface[1]

SmartMove[1]
Virtually unlimited positions can be used for table and Bucky wall stand[1] examinations

Technical specifications: MULTIX Impact



Impact Illuminate[1]
Indicates the system status

Bucky wall stand (BWS)
- Automatic tube tracking[1]
- Vertical travel range: up to 147 cm
- Low central beam height: 33 cm
- Fixed detector Core static[1]

myExam 2D Camera[1]
Enables myExam Collimate for:
- Smart Virtual Ortho[1]
- Auto Long-Leg/Full-Spine Collimation[1] for standing examinations at the BWS
- Live camera image

Floor-mounted tube
- Motorized collimator[1]
- SmartMove[1]

Table[1]
- Automatic tube tracking[1]
- Adjustable height[1]: from 51.5 to 90 cm
- High weight capacity: 300 kg
- Comfortable patient positioning with flat table-top

Wireless detectors
With in-tray charging
- MAX wi-D[1] (35 cm x 43 cm) with detector sharing
- Core XL (43 cm x 43 cm)

Remote Interface[1]
- Tablet-based workflow
- Access major imaging system functions on-the-go

[1] Option

Technical specifications: MULTIX Impact C

Impact Illuminate[1]
Indicates the system status

Ceiling-mounted tube
- 10" touch user interface
- Motorized collimator
- SmartPositioning[1]

myExam 2D Camera[1]
Enables myExam Collimate for:
- Smart Virtual Ortho[1]
- Auto Long-Leg/Full-Spine Collimation[1] for standing examinations at the BWS
- Live camera image

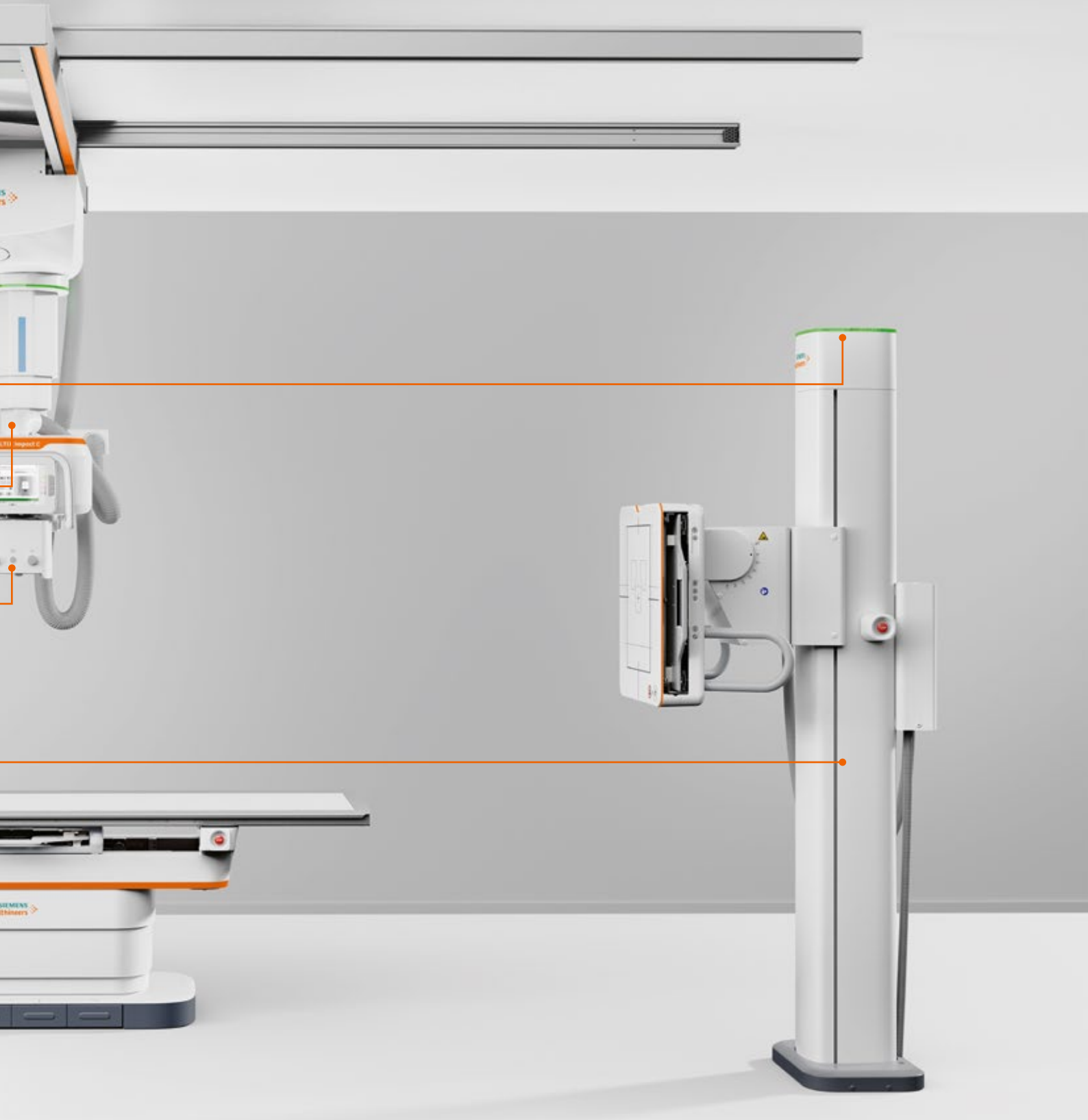
Bucky wall stand (BWS)
- Automatic tube tracking
- Vertical travel range: up to 144 cm
- Low central beam height: 32 cm
- Fixed detector Core static[1]
- Tilting: +90°/-20°

Table[1]
- Automatic tube tracking[1]
- Adjustable height: from 51.5 to 90 cm
- High weight capacity: 300 kg
- Comfortable patient positioning with flat table-top

Remote interface[1]
- Tablet-based workflow
- Access major imaging system functions on the go

Wireless detectors
With in-tray charging
- MAX wi-D[1] (35 cm x 43 cm) with detector sharing
- Core XL (43 cm x 43 cm)

[1] *Option*



23.8” All-in-one PC

- Intuitive imaging system
- Fast image flavor setting
- Touchscreen user interface[1]

Wireless remote control[1]

- Collimation field size
- BWS movements
- Enable tracking
- SmartPositioning

MULTIX Impact radiography systems

System variants

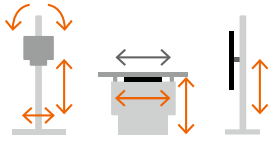
Whether floor or ceiling-mounted, MULTIX Impact & MULTIX Impact C come in a variety of configurations – from a system designed for chest X-rays, to one capable of delivering high-throughput general radiography services.

Stay flexible with two detectors and in-tray charging

With MULTIX Impact systems you can choose between two wireless detectors: Core XL or MAX wi-D[1]. Both detectors feature in-tray charging that can speed up your workflows and reduce wait time. For added convenience, the MAX wi-D can be shared across all other MAX systems. And to increase clinical flexibility, you can combine one wireless detector with Core static[1], a fixed detector in the Bucky wall stand (BWS).

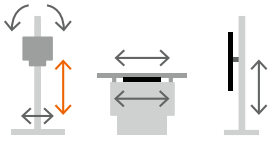
MULTIX Impact for high-throughput general X-ray

- Core XL[1] orMAX wi-D[1]
- BWS with Core static[1]
- Motorized table Bucky[1]
- Elevating table
- Motorized BWS
- myExam Collimate[1]
- SmartMove[1]



MULTIX Impact for routine X-ray

- Core XL
- Standard table Bucky
- Fixed table
- Manual BWS
- Manual collimator



[1] *Option*
[2] *Only available as two detector configuration in combination with Core static for BWS*

MULTIX Impact C for high-throughput general X-ray

- Core XL[1] or MAX wi-D[1]
- BWS with Core static[1]
- Motorized and tilting BWS
- 80 kW generator[1]
- Elevating table
- Tube vertical movements motorized
- Tube tilting motorized[1]
- SmartPositioning[1]

MULTIX Impact C for general X-ray

- Core XL[1] or MAX wi-D[1]
- Motorized and tilting BWS
- Elevating table
- 65 kW generator upgrade[1]
- Tube vertical movements motorized
- Tube tilting motorized[1]
- SmartPositioning[1]

MULTIX Impact for chest X-ray

- Core XL
- Motorized BWS

⟷ Motorized movement
⟷ Manual movement

Benefit from innovative services

Increasing value by partnering throughout the entire lifetime of your equipment

Equipment Maintenance & Monitoring
Reliably servicing your MULTIX Impact radiography systems allows you to identify deviations from current norms to maximize equipment availability.

Education Management
Personalized education and training improves your staff's expertise as well as your equipment efficiency.

Fleet Management
A transparent overview of your fleet allows you to manage the performance and maintenance of your Siemens Healthineers equipment, 24/7.

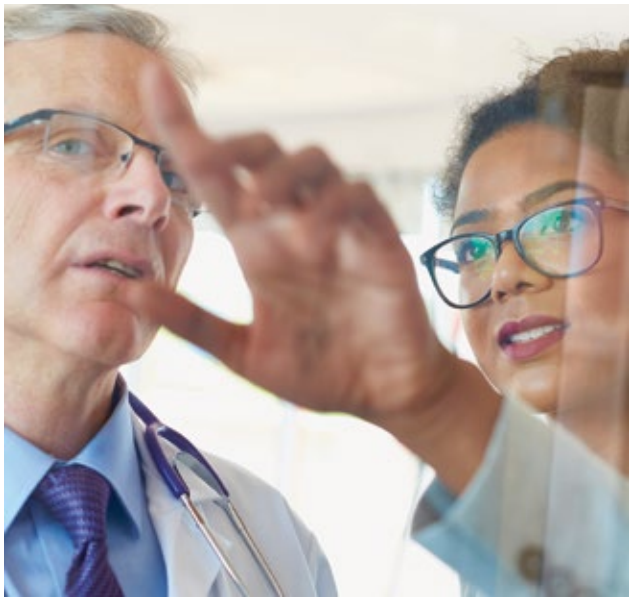
Performance Management
An intelligible overview of your radiography performance data helps you make prompt and well-informed decisions.

Asset Management & Planning
Access to innovative medical technology and equipment throughout the entire contract life-time allows you to maximize focus on patient care.

Accessory Solutions
Products from our partner companies complement your use of our equipment in your daily workflow.

Business Modelling & Financing
Customized business and financial models address your budgetary and enterprise needs, enabling you to remain more competitive.

Departmental Layout Optimization
3D-Visualization and digital twin analysis create more efficient workflows and a more enjoyable working environment.



Why Siemens Healthineers

At Siemens Healthineers, our mission is to enable healthcare providers to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalizing healthcare.

An estimated five million patients worldwide everyday benefit from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics and molecular medicine as well as digital health and enterprise services.

We're a leading medical technology company with over 120 years of experience and 18,500 patents globally. With over 50,000 employees in more than 70 countries, we'll continue to innovate and shape the future of healthcare.

Fleet Level Benefits

Unlock your potential – and increase the efficiency across your imaging fleet

As healthcare provider you are forced to do more with less, you have to run your radiology department more efficiently. A high level of complexity makes it challenging for you to reach the desired efficiency. Siemens Healthineers offers specific solutions across the entire X-ray portfolio that let you standardize, analyze, and secure your fleet. Experience consistency, transparency, and confidence as valuable Fleet Level Benefits and improve outcomes, increase efficiency – and achieve greater staff and patient satisfaction.

Standardize
for consistency

Analyze
for transparency

Secure
for confidence

Standardize
for consistency

- Systems with highly intuitive user interfaces and common workflows
- Staff with consistent knowledge level
- Unified image quality and same image impression

Analyze
for transparency

- Consolidated data in one place
- Analyzed and evaluated data turned into valuable information

Secure
for confidence

- Protect large IT network and imaging fleet with one cybersecurity philosophy
- Same maintenance cycles and update strategies for the whole fleet

Disclaimer

MULTIX Impact VA20 and MULTIX Impact C are not commercially available in all countries. Their future availability cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.

On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products/services/features included in this document are available through the Siemens Healthineers sales organization worldwide. Availability and packaging may vary by country and are subject to change without prior notice.

The information in this document contains general descriptions of the technical options available and may not always apply in individual cases.

Siemens Healthineers reserves the right to modify the design and specifications contained herein without prior notice. Please contact your local Siemens Healthineers sales representative for the most current information.

In the interest of complying with legal requirements concerning the environmental compatibility of our products (protection of natural resources and waste conservation), they may contain recycled components that adhere to the same quality assurance measures used for factory-new components.

Siemens Healthineers Headquarters
Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen, Germany
Phone: +49 9131 84-0
siemens-healthineers.com/multix-impact

Published by Siemens Healthcare GmbH · 9942 0121 · *©Siemens Healthcare GmbH, 2021*