

**MOBILETT Elara Max**

# Stands out from the crowd in mobile X-ray imaging

[siemens-healthineers.com/mobilett-elara-max](https://siemens-healthineers.com/mobilett-elara-max)



Member  
of the  
MAX  
family



reddot design award  
winner 2019



**SIEMENS**  
Healthineers

# Using the advantages of mobile digital radiography

The healthcare market is moving away from analog X-ray and computed radiography, toward fully digital X-ray systems (DR). This trend is not just about the many advantages that DR offers in terms of enhanced efficiency, handling and image quality – it ultimately even leads to new requirements and expectations like declining reimbursements for film-based X-rays and computed radiography, as seen, for example, in the U.S.

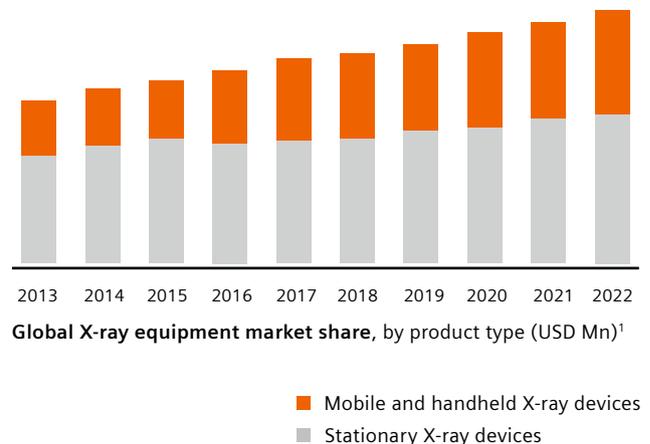
## Embracing digital radiography ...

Since 2017, Medicare reimbursements of the technical component have been reduced by 20% to providers submitting claims for film-based X-rays.<sup>1</sup>



## ... and mobile solutions

Medical practitioners are also rapidly shifting their preferences to mobile X-ray equipment because of the advantages it offers over stationary systems.<sup>2</sup>



<sup>1</sup> Massat, MB. Changes in reimbursement to propel digital radiography. Available from: <https://www.appliedradiology.com/articles/changes-in-reimbursement-to-propel-digital-radiography> [Accessed August 2018].

<sup>2</sup> Credence Research. X-Ray Equipment Market By Product [...], Technology [...], Application [...] - Growth, Share, Opportunities & Competitive Analysis, 2016–2022. Available from: <http://www.credenceresearch.com/report/x-ray-equipment-market> [Accessed August 2018].



# Transform care delivery with MOBILETT Elara Max

Faced with the ongoing trend toward increasing efficiency and growing cost pressure, you as a healthcare provider might be looking for ways to optimize operations and improve productivity – without compromising on quality of care.

*MOBILETT Elara Max helps you to transform care delivery, and makes a real and lasting difference to your entire department.*

MOBILETT Elara Max supports you in this challenge: The mobile X-ray system delivers exceptional results and offers unique features for enhancing efficiency and quality – and combines this with our extraordinary MAX advantages. Its easy maneuverability and flexible positioning improve productivity and enable consistently high image quality at the patient’s bedside for excellent

diagnostic certainty. An easy-to-clean design and unique antimicrobial coating enhance infection prevention and control. Seamless and secure integration gives you access to relevant data where and when you need it. All this makes MOBILETT Elara Max a smart, compact, and powerful X-ray system that’s always ready to go.

## Discover MOBILETT Elara Max

At a glance	4
Drive efficiency and image quality	6
Infection prevention and control	8
Seamless and secure integration	10
The MAX effect	12
Clinical gallery	14
Service and exchange	15
Technical specifications	16

# MOBILETT Elara Max at a glance



## Smart design, big effect

MOBILETT Elara Max is a compact system designed to transform the way you work. Easy maneuverability and flexible positioning allow you to produce high-quality images confidently and with ease.

## Easy cleaning, im- proved patient safety

MOBILETT Elara Max features a unique antimicrobial coating and easy-to-clean design to help you set the standard in infection prevention and control.

## Advanced workflows, greater security

By integrating seamlessly and securely into your IT infrastructure, MOBILETT Elara Max gives you access to relevant data, where and when you need it.



## **The MAX effect**

Is MOBILETT Elara Max your first MAX system? If so, then it's your door-opener to the MAX effect. If you already own a MAX system, you can now enjoy the MAX effect of enhanced standardization, savings, and satisfaction. And the MAX effect will grow with every MAX system you add.

## **Keep your IT secure**

In modern healthcare, digitalization supports patient-centered care, from chronic disease to population health management. Being connected, however, can also bring risks like data theft and cyberattacks. MOBILETT Elara Max comes with a high level of cybersecurity to support you in safeguarding your IT and sensitive patient data.

## **Personalize when it matters**

Children have different imaging needs than adult patients. MOBILETT Elara Max offers dedicated low-dose organ programs that allow you to image your youngest patients quickly and easily.

# Drive efficiency and image quality in your department

Busy hallways and small patient rooms can be a challenge for mobile X-ray systems. With its exceptional maneuverability and flexible MAXreach arm, MOBILETT Elara Max helps your staff work confidently and with ease so they can produce consistently high image quality – even when all batteries are empty.



## Maneuver effortlessly and ergonomically

MOBILETT Elara Max supports your workflow from the very start – on your motor-assisted walk to each patient. The compact, lightweight, and ergonomic design makes moving easy, and the unobstructed view to the front allows you to avoid obstacles on your route. Intelligent solutions such as on-the-go detector charging and long-life batteries help to transform care delivery by minimizing waiting times.

## Handle easily at the patient's bedside

With its remarkably compact dimensions, MOBILETT Elara Max fits into very small patient rooms. When you are interacting with patients, the flexible MAXreach arm helps you quickly find the right position for the optimal image in every case: An impressive 180 degrees of lateral arm rotation maximizes your positioning options, while the Micro-Inch Mover buttons make fine adjustments easy. The system can also switch between batteries and mains power so that it keeps going for as long as you need it to.



The child-friendly giraffe design<sup>1</sup> creates a relaxing environment.

### Tailor your imaging to very young patients

MOBILETT Elara Max allows you to image premature babies quickly and easily while limiting the stress placed on these sensitive patients. Special pediatric organ programs take account of higher tissue radiosensitivity and variations in size and weight. Copper filters reduce dose, while DiamondView MAX optimizes image quality for diagnosis. A maximum focus height of 213.5 cm helps you comply with the minimum required distance between X-ray tube and incubator, and the MAX mini<sup>1</sup> detector fits neatly into incubator trays.

### Achieve consistently high image quality

With its powerful 35 kW (450 mA) generator and wireless MAX detectors,<sup>1</sup> MOBILETT Elara Max delivers excellent images fast. Gridless imaging in free examinations using DiamondView MAX post-processing gives you the clear, detailed, high-contrast images you need for confident diagnostic decisions – at very low dose. At the same time, it reduces error rates and enhances your workflow efficiency.



DiamondView MAX enables greater medical precision thanks to optimized noise suppression and enhanced contrast.



MAX wi-D<sup>1</sup> detector: 35 cm x 43 cm, 3.3 kg

MAX mini<sup>1</sup> detector: 24 cm x 30 cm, 1.6 kg

<sup>1</sup> Option

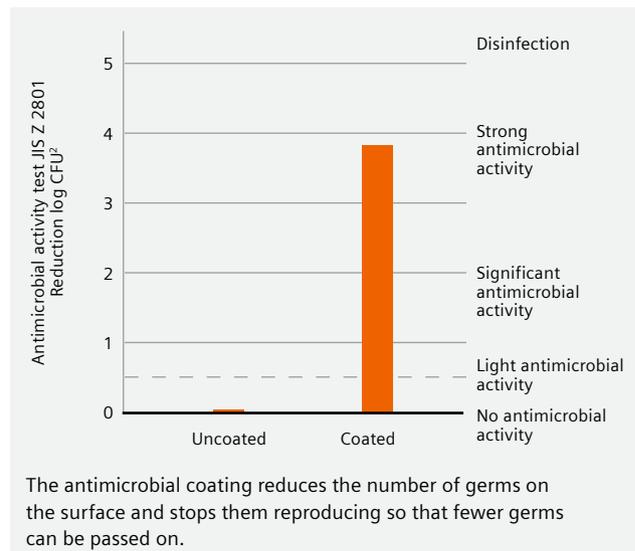
# Set the standard in infection prevention and control

Healthcare-associated infections (HAIs) can present a life-threatening risk to your patients. With its unique antimicrobial coating and easy-to-clean design with integrated cables, MOBILETT Elara Max helps you set the standard in infection prevention and control.



## Prevent infection transmission through the antimicrobial coating

MOBILETT Elara Max features a unique antimicrobial coating that supports infection prevention. The technology is effective against various microorganisms, is non-toxic, and won't induce resistance. Unlike technology based on silver or copper, it is designed to last, giving you peace of mind and keeping your patients safe.



## Measurement of antimicrobial activity (according to ISO 22196)<sup>1</sup>

The antimicrobial coating in short: This technology is based on the addition of a small amount of a metal oxide to the paint. While keeping the mechanical properties of a conventional coating, the reaction of the metal oxide with water (in air humidity or by wiping off) leads to a surface coating that exhibits strong antimicrobial effects on various microorganisms.



Unlike other systems, MOBILETT Elara Max's cables are fully integrated to make cleaning even easier.

**Remove microorganisms thanks to the easy-to-clean design**

MOBILETT Elara Max is designed to be a more hygienic system. Surfaces are smooth and mostly closed with rounded edges, gap dimensions have been minimized, and cables are fully integrated. All storage compartments are easily accessible for storage and disinfection, helping you to enhance both patient and occupational safety.

**Manage system cleaning in the most efficient way**

Our comprehensive, non-binding cleaning guide provides clear instructions that help you optimize intermediate and terminal cleaning of your MOBILETT Elara Max. This helps you to improve your reputation by increasing the focus on preventing and managing infections.

*Cleaning results are **2.8 times**<sup>1</sup> better with our MOBILETT Elara Max than with a competitor system*

<sup>1</sup> Results based on testing by "Institut für Angewandte Forschung" in Germany, August 2018. Data on file.

# Accelerate your mobile workflow through seamless and secure integration

If your mobile X-ray system doesn't fit perfectly into your hospital landscape, you risk losing valuable time and facing critical situations. MOBILETT Elara Max integrates seamlessly and securely into your existing IT infrastructure and gives you access to relevant data wherever you need it.

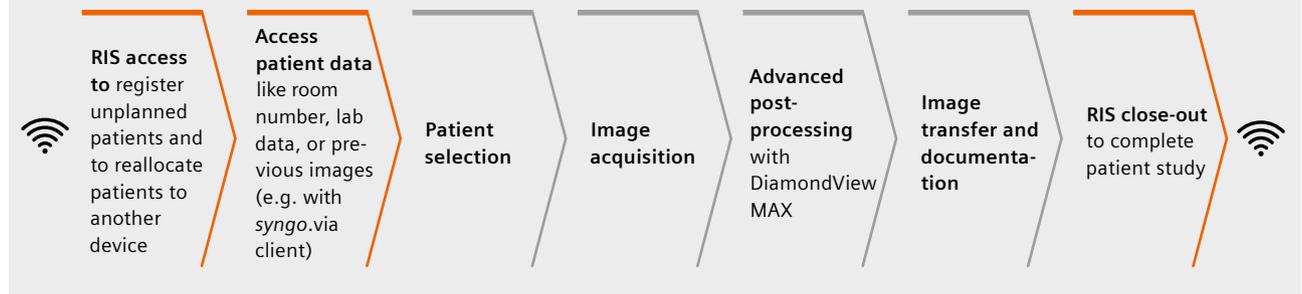


## Integrate your digital workflow seamlessly

The common user interface *syngo* FLC enables a fully digital, one-stop imaging workflow that covers everything from patient registration to documentation. Wireless connectivity supports convenient and fast

transfer of images to the hospital network. MOBILETT Elara Max also features integrated quality management: It provides a comprehensive overview of dose and image quality that allows you to easily monitor your system's performance and determine your staff's training needs.

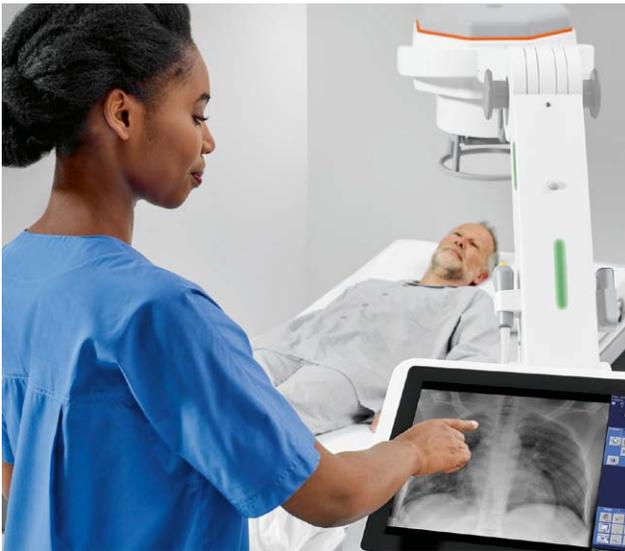
## High efficiency gains in accessing relevant data without having to leave the system<sup>1</sup>





*“We really like the immediate availability of the image. With the digital system, it’s no longer necessary to wait until the image is finally developed. This means that clinicians can directly look at the images on Elara’s touchscreen and check e.g. the position of a catheter – this really speeds up the workflow.”*

Benoit Desaegher,  
Radiology Specialist, Radiology Center within Clinique Victor PAUCHET in Amiens, France<sup>2</sup>



#### **Access relevant data where and when you need it**

Thanks to the virtual workstation,<sup>1</sup> you can easily take hospital applications to the patient’s bedside. This virtualized Windows 10 environment allows you to install institution-specific third-party software (e.g. an RIS client, a PACS viewer, an EMR client, or the hospital intranet) to efficiently manage operations directly on MOBILETT Elara Max. Since you don’t have to leave the system in order to move to a separate workstation, you can spend more time with your patient.

#### **Protect your mobile system and your patient data**

MOBILETT Elara Max has high security standards and protective features that give you peace of mind. If you have to leave the system unattended at any time, you can lock it to prevent unauthorized access. In order to safeguard your system and patient health information against cyberattacks, MOBILETT Elara Max offers a comprehensive cybersecurity package including whitelisting, 90-days hotfixes, encrypted data storage as well as an advanced security package<sup>2</sup>. This helps you comply with regulations for keeping patient data safe, confidential, and intact.

<sup>1</sup> Option

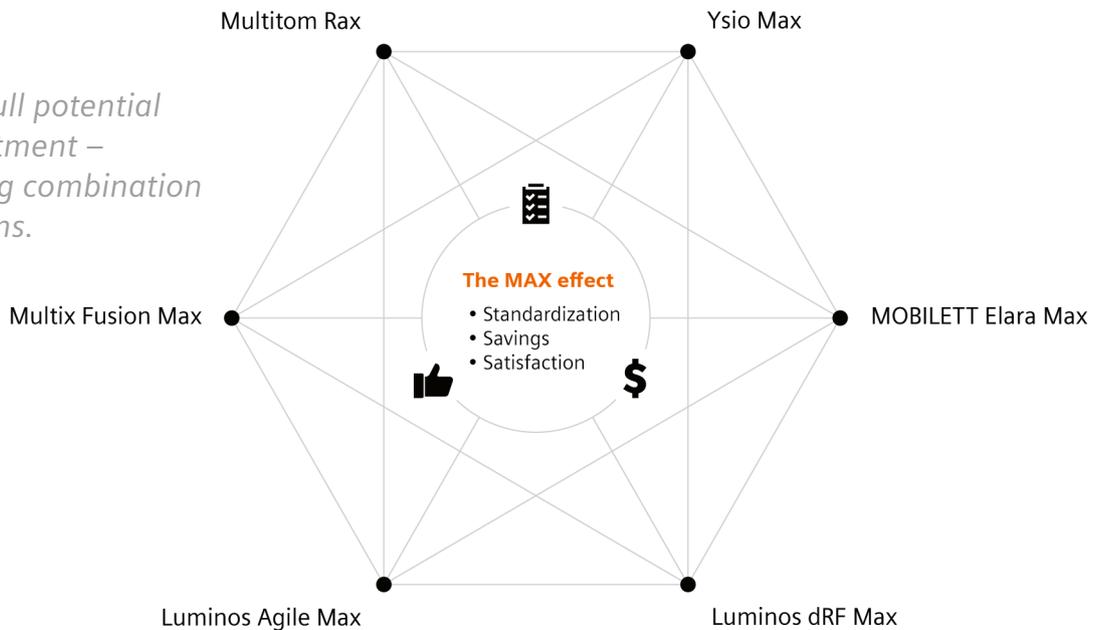
<sup>2</sup> The statements by customers of Siemens Healthineers described herein are based on results that were achieved in the customer’s unique setting. Because there is no „typical“ hospital and many variables exist (e.g., hospital size, case mix, Level of IT adoption) there can be no guarantee that other customers will achieve the same results.

# The MAX effect – where gains multiply

Whether healthcare providers have to cope with tighter budgets or want to expand their business: They are forced to do more with less. What if there's a smart way to run a radiology department more efficiently?

Take a look at our high-performance MAX systems. They all share the same usability concept and imaging technology over the broadest range of clinical applications on the market. And if you combine two or more MAX systems, you'll experience the MAX effect: unique standardization across your fleet, so you can save both time and costs and ultimately boost your level of satisfaction.

*Multiply the full potential of your department – with a winning combination of MAX systems.*



## Gain standardization

Achieve the same high-quality results throughout sites, rooms, and personnel – always. One MAX platform allows you to standardize workflows and image impressions the way you want. That means faster working and fewer mistakes. Resulting in better outcomes at lower costs.

## Gain savings

Discover the smart way to save with the MAX effect: Save investment costs thanks to detector swapping, reduce the number of rooms required with More-in-1 MAX systems, and keep staff training to a minimum thanks to one usability.

## Gain satisfaction

Increase satisfaction of all stakeholders through offering more patient comfort and lower dose, less stress and more confidence for staff, fast results, and high diagnostic accuracy at lower costs. For consistent high-quality care and enhanced reputation.

More-in-1 system



**Multitom Rax**  
Twin Robotic X-ray



**Ysio Max**  
High-performance radiography



**Multix Fusion Max**  
High-efficiency radiography



**MOBILETT Elara Max**  
High-end digital mobile X-ray imaging

More-in-1 system



**Luminos Agile Max**  
2-in-1 patient-side fluoroscopy

More-in-1 system



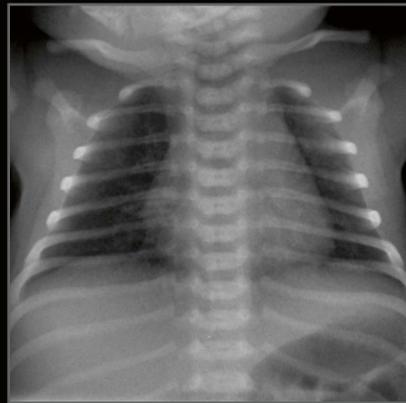
**Luminos dRF Max**  
2-in-1 remote fluoroscopy

# See anatomical details with high image quality

To make fast and confident diagnostic decisions, you need high and reproducible image quality. MOBILETT Elara Max offers high-end imaging, automated workflows, and advanced post-processing technologies.



Hand, d.v. view:<sup>1</sup> Bone structures sharp and clearly visible



Pediatric chest, a.p. view:<sup>2</sup> Small structures outlined at low dose and reduced noise



Postoperative hip joint with implant, a.p. view:<sup>1</sup> Diagnostically valuable results for dense organs

# Enhanced contrast and a high level of detail visibility with DiamondView MAX



Without DiamondView MAX



With DiamondView MAX



Without DiamondView MAX



With DiamondView MAX

# Service and exchange

Increasing value by partnering throughout the entire equipment lifecycle.

## Equipment Maintenance & Monitoring

Reliably servicing your MOBILETT Elara Max allows you to identify deviations from current norms to maximize equipment availability.

## Education Management

Personalized education and training improve 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.

## Accessory Solutions

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

## 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 lifetime allows you to maximize focus on patient care.

## 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.

Continually adding value and caring for your equipment, your staff, your fleet, your workflows, your department, and your entire institution.

<sup>1</sup> Courtesy of Centre Hospitalier de Mouscron, Belgium

<sup>2</sup> The clinical image was acquired with Mobilett Mira Max. Similarities between relevant components and parameters mean that the image impressions here are comparable to those possible with MOBILETT Elara Max.

# Technical specifications

Discover how you can stand out from the crowd in mobile X-ray imaging with MOBILETT Elara Max

**Unique MAXreach arm**  
for outstanding positioning flexibility

**Status indicator lights**  
for a visual safety signal

**High-contrast monitor**  
for improved visibility

**Intelligent charging concept**  
for ready-to-go detectors

**Easy-to-clean design**  
with integrated cables,  
smooth and closed surfaces

**Unique antimicrobial coating**  
for infection prevention and control

**Robust, compact and  
lightweight design**  
for exceptional maneuverability

**Always ready**  
even when all batteries are empty

**Size**  
Height: 157 cm  
Width: 59.8 cm  
Depth: 127.8 cm





**MAX mini<sup>1</sup>**  
is ideal for incubators  
and extremities

**MAX wi-D<sup>1</sup>**  
is light, thin, fast

**MAXswap**  
for advanced detector sharing



**DiamondView MAX**  
for enhanced contrast  
and detail

**syngo FLC**  
for an easy-to-learn,  
common user interface

**Virtual workstation<sup>1</sup> and  
wireless connectivity**  
for unrestricted data access







# Why Siemens Healthineers?

At Siemens Healthineers, our purpose 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 about 50,000 dedicated colleagues in over 70 countries, we'll continue to innovate and shape the future of healthcare.

MOBILETT Elara Max is not commercially available in all countries. Due to regulatory reasons its 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 brochure 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), we may recycle certain components where legally permissible. For recycled components we use the same extensive quality assurance measures as for factory-new components.

Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

International version.  
Not for distribution or use in the U.S.

Image on title page is courtesy of  
Centre Hospitalier de Mouscron, Belgium

---

**Siemens Healthineers Headquarters**

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