



Mini C-arms

Dedicated to extremities imaging
and pediatric use

Live image size

Expect exceptional diagnostic imagery with a 33 cm x 33 cm live image to see fine details of anatomy with vivid clarity



360° + 270° + 160°
monitor
lateral rotation

68.6 cm
monitor
horizontal range

31.1 cm
monitor
vertical range

5

On-screen help

Description of common system functions available directly on-screen

27" monitor

With the largest screen on a mini, experience optimal eye comfort on a high-bright, 1,920 x 1,080 resolution monitor

Keyboard

Versatile and detachable, used to enter patient data and control essential system functions

4

Innovative imaging solutions for orthopaedic surgeons.

Since 2002, Orthoscan has been the leader in the mini C-arm market with a worldwide installed base and committed to innovative digital imaging solutions for orthopaedic surgeons in offices and clinical environments. Mini C-arms are the ideal solution for fluoroscopy of the extremities at minimised dose levels without sacrificing image quality. Orthoscan's TAU family are the first mini C-arms designed and approved for use with pediatric patients.



TAU 20|20



TAU 15|15



TAU 15|12



MOBILE DI

	The superior choice in imaging	Upgrade your expectations
Imaging technology	Next generation flat-panel 20 cm x 20 cm	Next generation flat-panel 15 cm x 15 cm
Image resolution	1,900 x 1,900	1,400 x 1,400
Pixel spacing	99 microns	100 microns
Pulsed fluoroscopy	■	■
High-bright LCD monitor	27"	27"
Touchscreen	■	■
Bilateral sterile field controls	■	■
Stepless collimator	■	-
Optimized dose filter	■	■
Pediatric mode	■	■
160° orbital movement	■	■
Weight	215.5 kg	215.5 kg

	Exceptional imaging begins here	Portable diagnostic imaging
Imaging technology	Next generation flat-panel 15 cm x 12 cm	Next generation flat-panel 15 cm x 12 cm
Image resolution	1,400 x 1,100	1,900 x 1,500
Pixel spacing	100 microns	75 microns
Pulsed fluoroscopy	-	-
High-bright LCD monitor	24"	24"
Touchscreen	■	■
Bilateral sterile field controls	■	-
Stepless collimator	-	-
Optimized dose filter	■	-
Pediatric mode	■	-
160° orbital movement	■	-
Weight	215.5 kg	15.9 kg

available ■ | not available -

TAU



Pediatric indication
Designed for use with pediatric patients



Keeping it mini
Lightweight & compact design simplifies transportation & storage



Connectivity
Easy access to the power button & I/O ports directly on top of the chassis



Bilateral controls
Improved functionality for the sterile field with back-lit controls



Surgical LED lights
Provide additional illumination on the anatomy



Flexibility
Increased orbital rotation of 160°, larger arc depth of 50.8 cm & improved umbilical cable

01 / The superior choice in imaging. Orthoscan TAU 2020

→ Bigger detector. Bigger possibilities.

Over twice the size of detectors found on conventional mini C-arms¹, Orthoscan TAU 2020 blurs the line between mini and full size. Confirm joint space with accuracy, see fractures in full view, and save dose by minimizing shots so you can work efficiently. Combined with pediatric indication, image anatomy in ways never before possible on a mini C-arm.

→ Seamless collimation for the perfect shot

Introducing the industry's first stepless motorized collimator in a mini C-arm. With a touch of a finger, users can infinitely adjust via the touchscreen interface to minimize radiation exposure and reduce patient dose, while limiting the area of interest. Improved contrast and detail-rich images provide users a clear image for an accurate diagnosis.

→ Intelligent dose reduction

At Orthoscan, we understand your concern about radiation exposure and the demand for high-quality images. That's why the TAU family includes cutting-edge Intelligent Dose Reduction technology that provides the best in diagnostic image quality while reducing exposure to you and your patients.



PULSED FLUOROSCOPY

- Selectable pulse rates of 30, 15 & 7.5 pulses per second
- Dose reduction without loss of image quality



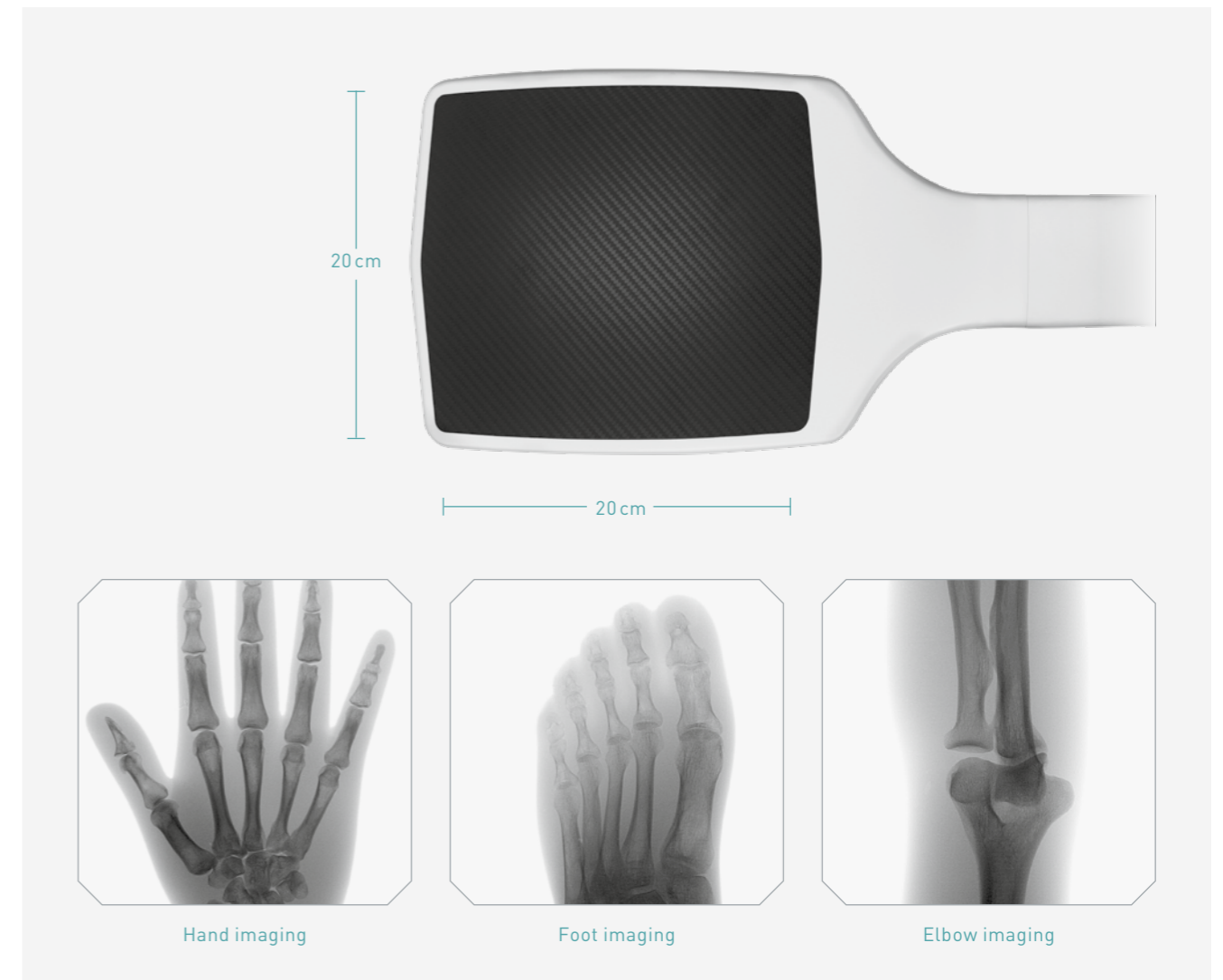
OPTIMIZED DOSE FILTER

- Only mini C-arm with pediatric indication
- Reduced dose while maintaining image quality
- Reduced exposure to surgeons & patients



NEXT GENERATION FLAT PANEL DETECTOR

- Increased workflow & efficiency
- Improved image brightness & quality
- Dose reduction & decreased ramp time



02 / Upgrade your expectations. Orthoscan TAU 1515

→ Capture more anatomy in one shot

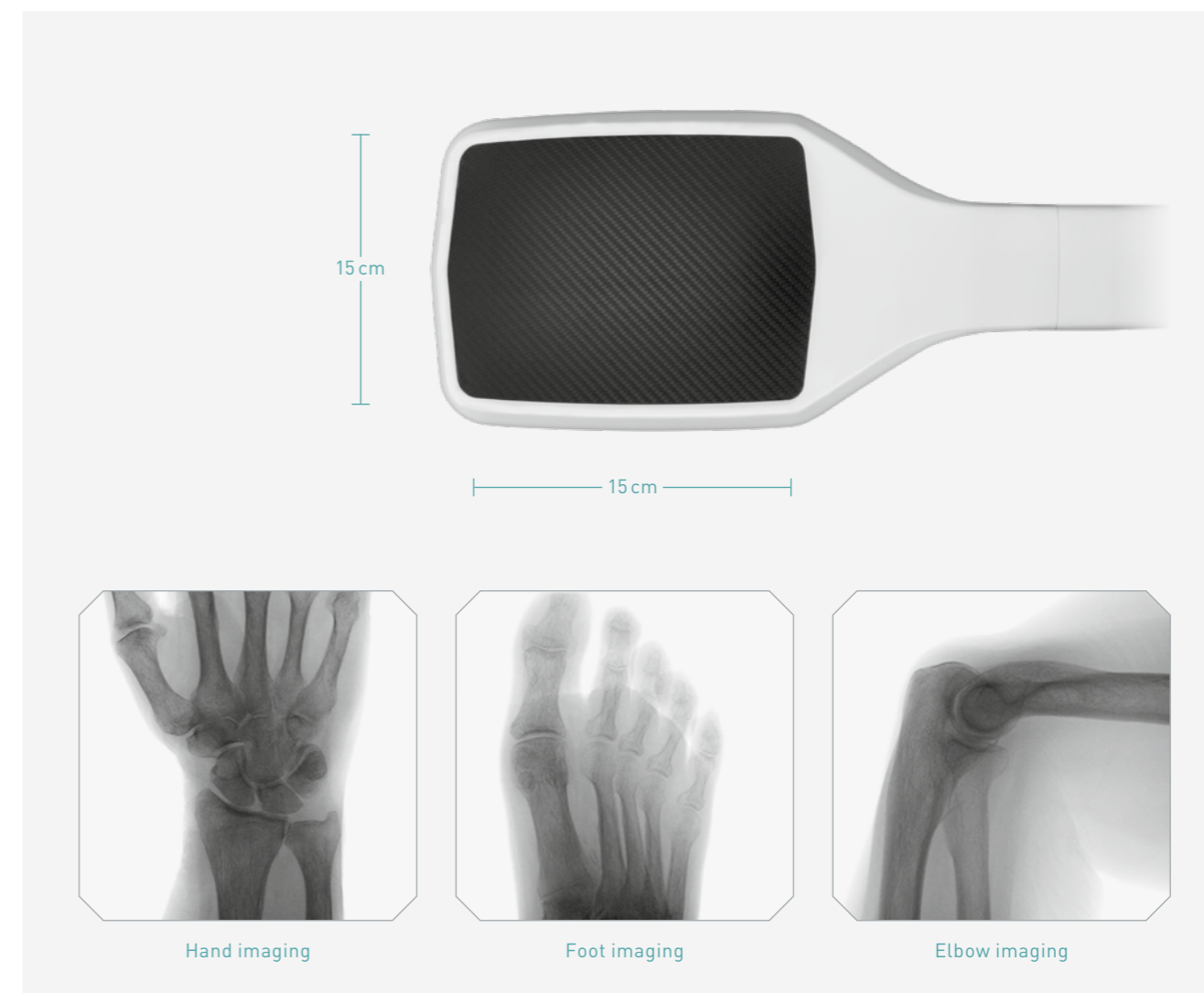
With a 15 cm x 15 cm detector, Orthoscan TAU 1515 provides 25–33% larger surface area compared to conventional mini C-arms³. Keep your focus on the patient and not the equipment by achieving preferred views with fewer shots, improving your workflow and reducing exposure to you and your patients.

→ A mini C-arm that works with you, not against you

With an increased orbital rotation of 160°, a larger arc depth of 50.8 cm, and an integrated umbilical cable, Orthoscan TAU 1515 combines high versatility with increased articulation. Improve your workflow and efficiency with minimal adjustments, allowing you to effortlessly maneuver in the surgical field with just a turn of the wrist.

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PULSED FLUOROSCOPY

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OPTIMIZED DOSE FILTER

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- Reduced dose while maintaining image quality
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NEXT GENERATION FLAT PANEL DETECTOR

- Increased workflow & efficiency
- Improved image brightness & quality
- Dose reduction & decreased ramp time

03/Exceptional imaging begins here. Orthoscan TAU 1512

→ A mini C-arm that works with you, not against you

An expanded orbital rotation of 160° allows preferred views of anatomy to be obtained without patient discomfort. Whether you're imaging children or adults, a 50.5cm arc depth provides the necessary space to position patients of all sizes. Get all the flexibility you need with an improved umbilical cable, allowing you to easily maneuver the C-arm in the surgical field. Combined, these features simplify and improve your workflow.

→ Big capability, small size

Lighter and smaller than competitive equipment, Orthoscan's TAU family is keeping the mini C-arm mini. While in compact mode, storage and maneuvering through restrictive spaces is effortless and a 3-way braking system provides mobility and stability during positioning.

→ Intelligent dose reduction

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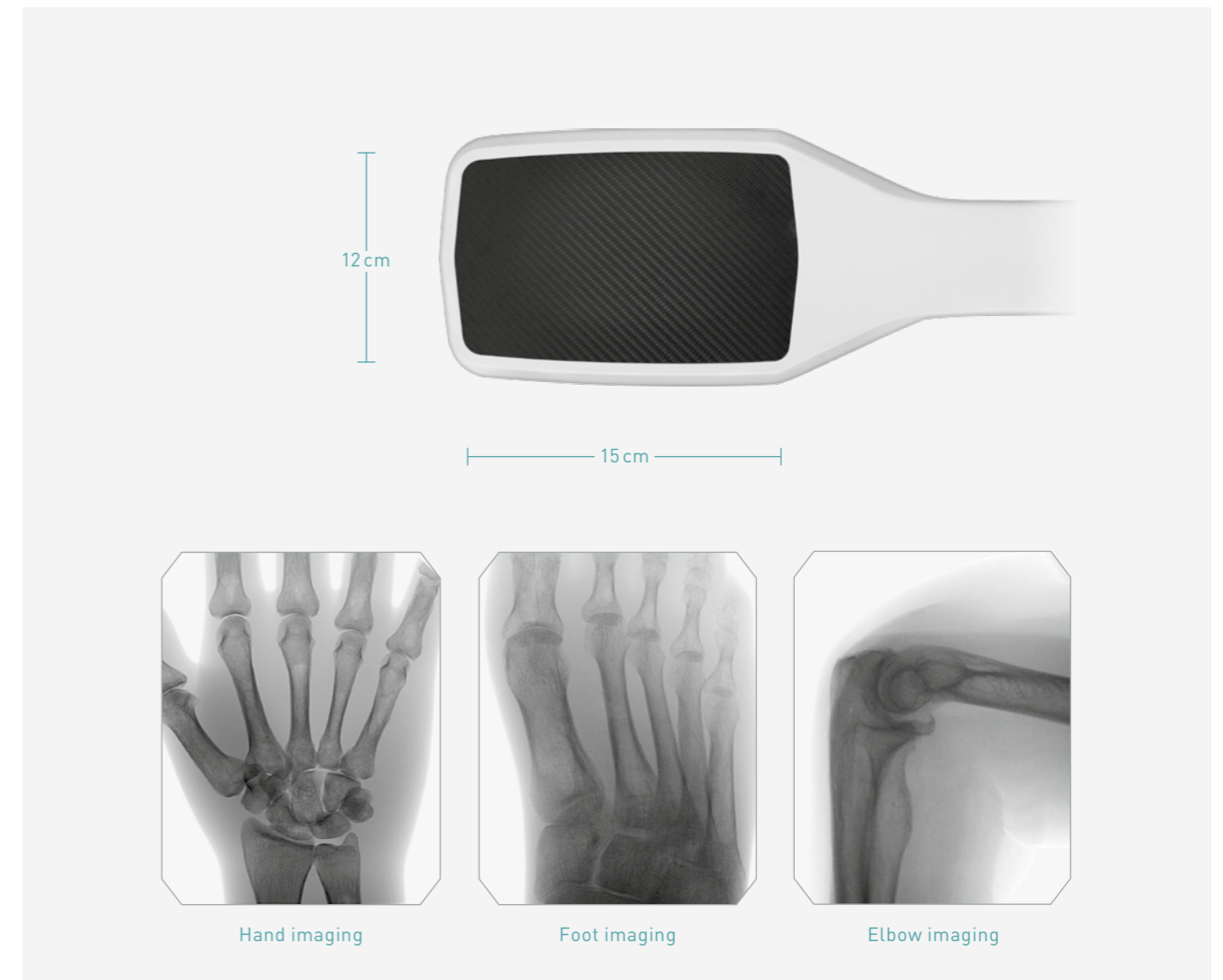
OPTIMIZED DOSE FILTER

- Only mini C-arm with pediatric indication
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NEXT GENERATION FLAT PANEL DETECTOR

- Increased workflow & efficiency
- Improved image brightness & quality
- Dose reduction & decreased ramp time
- Mag Mode maintains image quality without dose increase



UP TO
66%
CUMULATIVE DOSE
REDUCTION CAN BE
ACHIEVED⁴

04/Portable diagnostic imaging. Orthoscan Mobile DI

→ Digital portable imaging and fluoroscopy

Designed for the office and clinic, Mobile DI is a 16 kg self-contained portable mini C-arm capable of digital imaging and fluoroscopy. Mobile DI has the smallest footprint for mini C-arms on the market with improved features for users and patients to view X-ray images in real time.

→ Mobile accessory cart

Transport your Mobile DI between exam rooms with the optional Mobile DI Accessory Cart. Whether in standing or sitting position, this defining accessory allows you to reposition the detector and monitor with ease. With improved articulation to the monitor arm, view real-time results with your patients on a detail-rich display without adjusting.

→ Advanced touch-screen interface

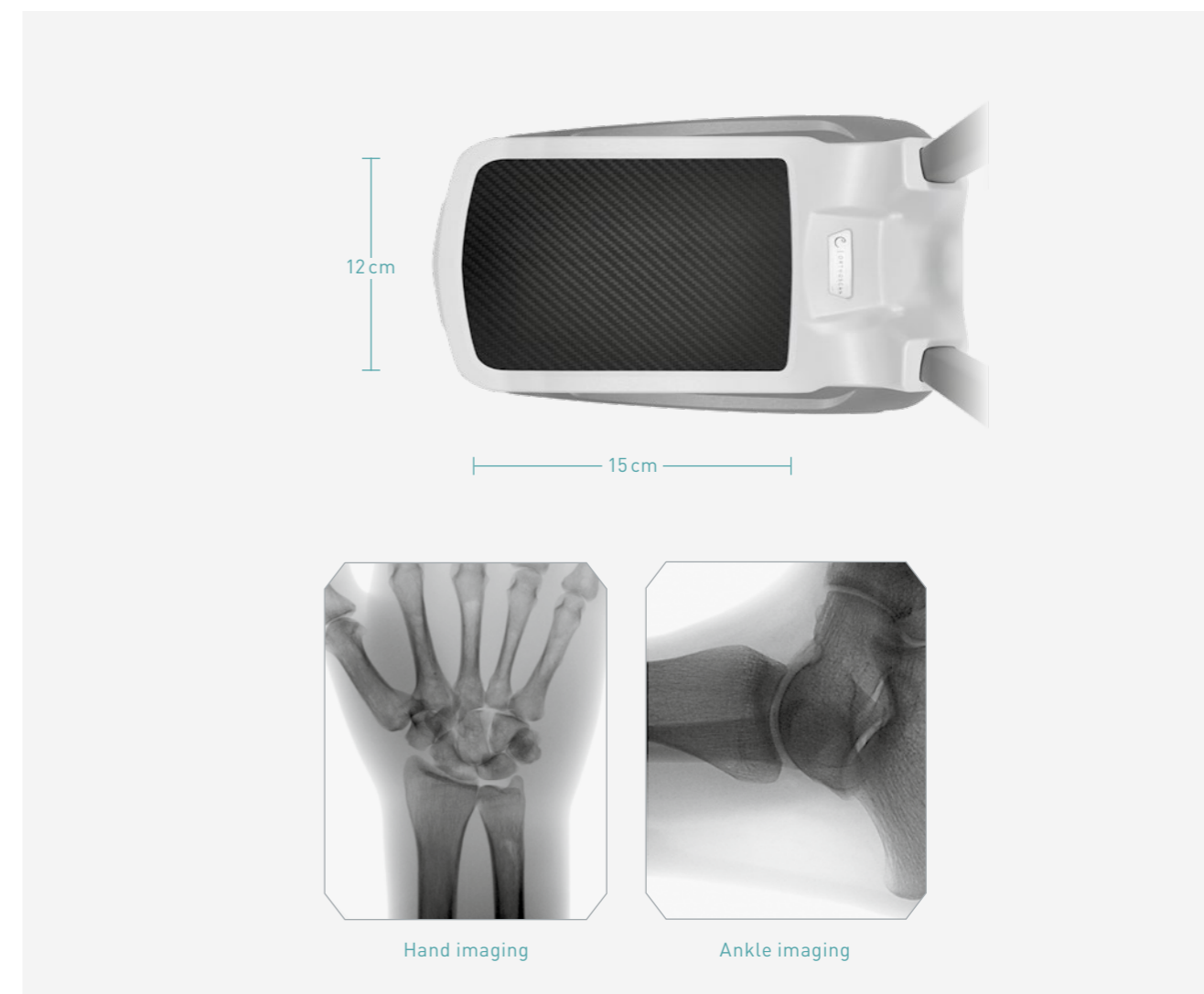
The advanced Orthotouch™ user interface allows seamless operation of system controls while still supporting keyboard functions. Orthotouch™ provides a familiar experience – similar to a smartphone or tablet – that enhances interaction while viewing detailed anatomy.

CLINICAL & OFF-SITE EXTREMITY IMAGING

- Dynamic views
- Fluoroscopic guided injections
- Radiologic examinations
- Stress views
- Pin removals
- Closed reductions
- Motion studies
- Joint stability tests
- Arthrography

NEXT GENERATION FLAT PANEL DETECTOR

- Increased workflow & efficiency
- Improved image brightness & quality
- Dose reduction & decreased ramp time
- Mag Mode maintains image quality without dose increase



Maintain clinical excellence with these accessory options:

- Weight-bearing foot bench
- Custom covers & drapes
- Wheeled storage case
- Desktop setup

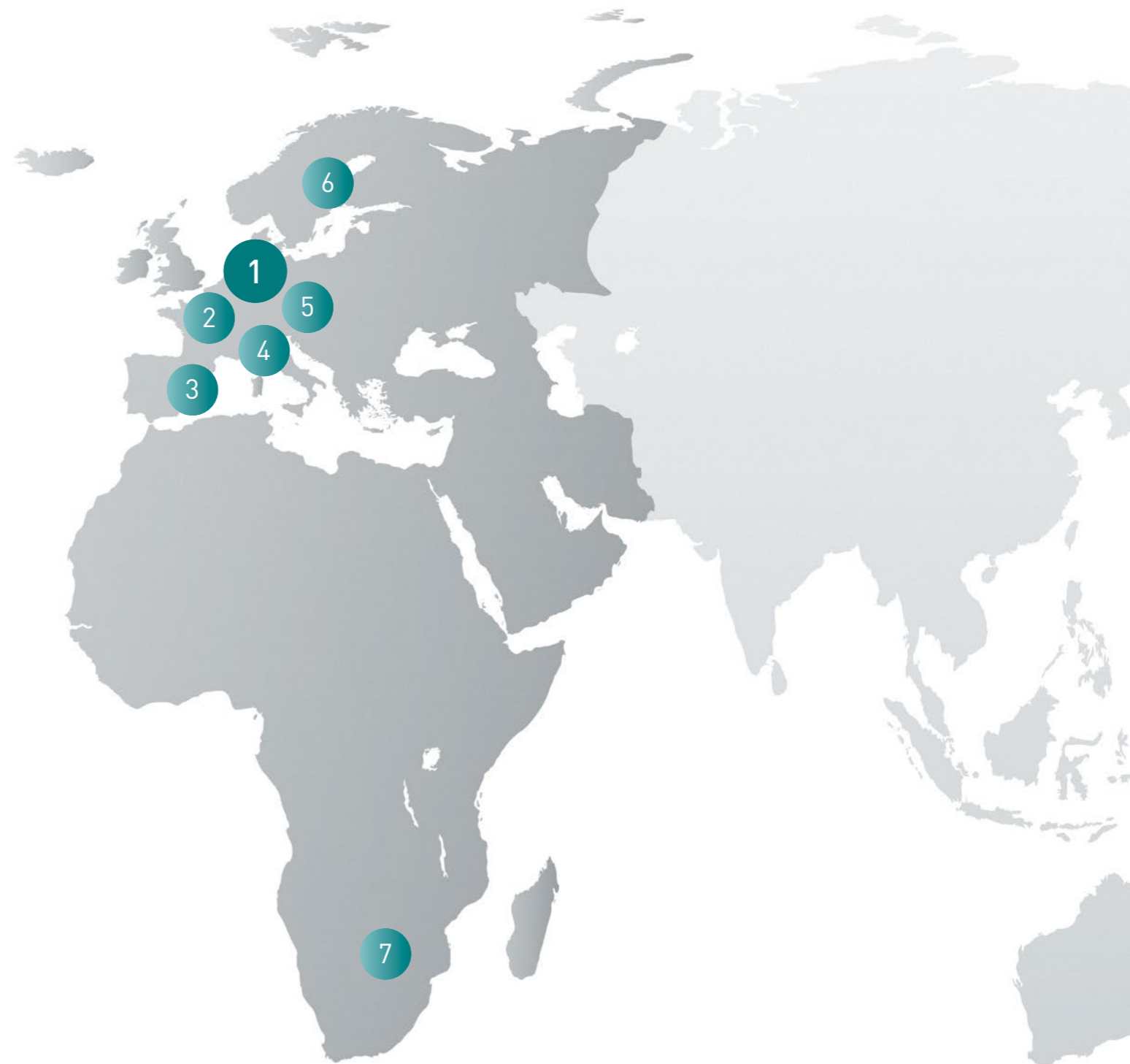
Do more. Dose less.

We care about our customers' concerns and feedback, which leads us to push advancements in dose reduction, mechanical design and image quality, while providing high-quality products to the global medical community.

Our passionate pursuit of craftsmanship paired with exceptional performance is why Orthoscan is the global leader in mini C-arm imaging.



Exceptional diagnostic imagery with the advanced mini C-arm.



Orthoscan EMEA Service Center

Since 2017 Ziehm Imaging has had full distribution rights for the Orthoscan mini C-arms and is the official Sales and Service representative for these products in Europe, the Middle East and Africa.

Rely on Ziehm Imaging for flexible and fast service to stay at the cutting edge of technology. Tailored service packages and individual upgrade paths keep you competitive in your daily hospital routine.

Offices

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6. Kerava (Finland)
7. Midrand (South Africa)



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¹ Compared to 12 cm x 15 cm detectors

² Using Intelligent Dose Reduction (with Optimized Dose Filter) when compared to Orthoscan 1000-0004-FD. In clinical practice, the use of IDR may reduce patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.

³ Compared to 12 cm x 15 cm detectors and 13 cm x 13 cm detectors.

⁴ Using Intelligent Dose Reduction (with Optimized Dose Filter) when compared to Orthoscan 1000-0004. In continuous mode, users will not attain the stated levels of cumulative dose reduction possible with that offered in pulsed fluoroscopy. In clinical practice, the use of IDR may reduce patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.

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