ziehm imaging

Mini C-arms

Dedicated to extremities imaging and pediatric use

ORTHOSCAN

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

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

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

The superior choice in imaging

TAU 15|15

Upgrade your expectations

TAU 15|12

Exceptional imaging begins here

MOBILE DI

Portable diagnostic imaging

	TAU 20|20	TAU 15|15	TAU 15|12	MOBILE DI
Imaging technology	Next generation flat-panel 20 cm x 20 cm	Next generation flat-panel 15 cm x 15 cm	Next generation flat-panel 15 cm x 12 cm	Next generation flat-panel 15 cm x 12 cm
Image resolution	1,900 x 1,900	1,400 x 1,400	1,400 x 1,100	1,900 x 1,500
Pixel spacing	99 microns	100 microns	100 microns	75 microns
Pulsed fluoroscopy	■	■	–	–
High-bright LCD monitor	27"	27"	24"	24"
Touchscreen	■	■	■	■
Bilateral sterile field controls	■	■	■	–
Stepless collimator	■	–	–	–
Optimized dose filter	■	■	■	–
Pediatric mode	■	■	■	–
160° orbital movement	■	■	■	–
Weight	215.5 kg	215.5 kg	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

160°

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.

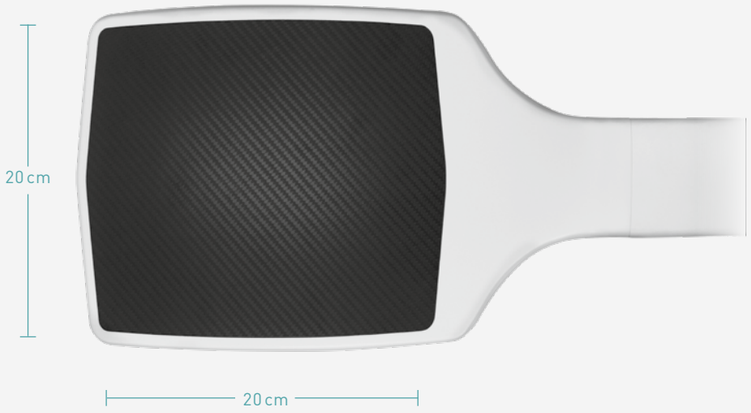
Over twice the size of detectors found on conventional mini C-arms[1], Orthoscan TAU 2020 blurs the line between mini and full size. Confirm joint space with accuracy, see fractures in full view, and save dose by minimizing shots so you can work efficiently. Combined with pediatric indication, image 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.



Hand imaging | Foot imaging | Elbow imaging

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

UP TO
86 %
CUMULATIVE DOSE REDUCTION CAN BE ACHIEVED[2]

02/Upgrade your expectations.
Orthoscan TAU 1515

→ Capture more anatomy in one shot

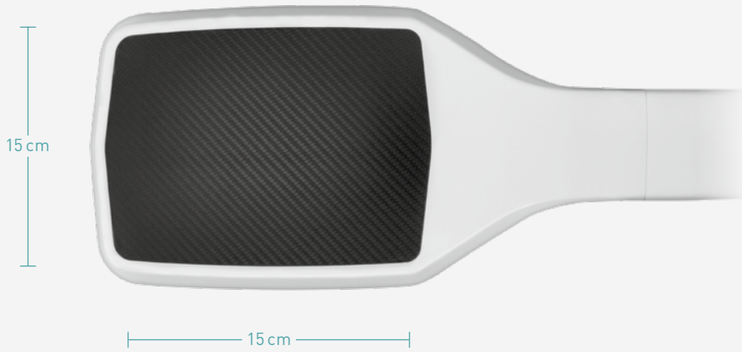
With a 15 cm x 15 cm detector, Orthoscan TAU 1515 provides 25–33 % larger surface area compared to conventional mini C-arms[3]. Keep your focus on the patient and not the equipment by achieving preferred views with fewer shots, improving your workflow and reducing exposure to you and your patients.

→ 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.

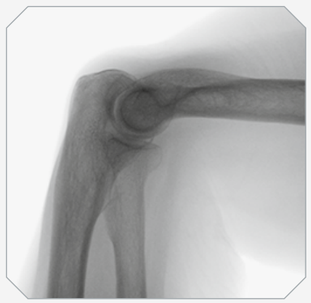
→ Intelligent dose reduction

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.




Hand imaging


Foot imaging


Elbow imaging

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

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 50.5 cm 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

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.

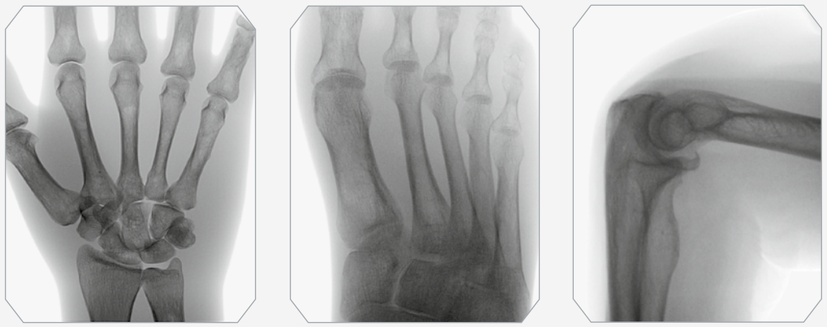
OPTIMIZED DOSE FILTER

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

FPD Next Gen

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



Hand imaging | Foot imaging | Elbow imaging

UP TO
66%
CUMULATIVE DOSE REDUCTION CAN BE ACHIEVED[4]

04/Portable diagnostic imaging.
Orthoscan Mobile DI

→ Digital portable imaging and fluoroscopy

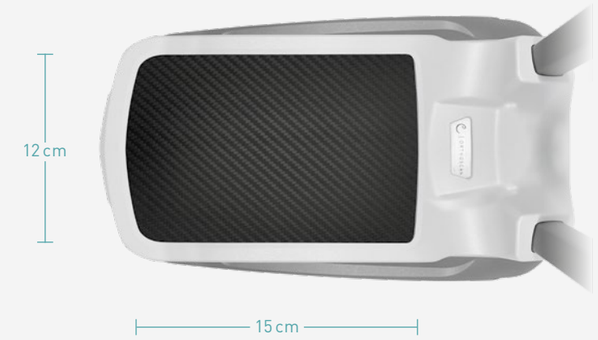
Designed for the office and clinic, Mobile DI is a 16 kg self-contained portable mini C-arm capable of digital imaging and fluoroscopy. Mobile DI has the smallest footprint for mini C-arms on the market with improved features for users and patients to view X-ray images in real time.

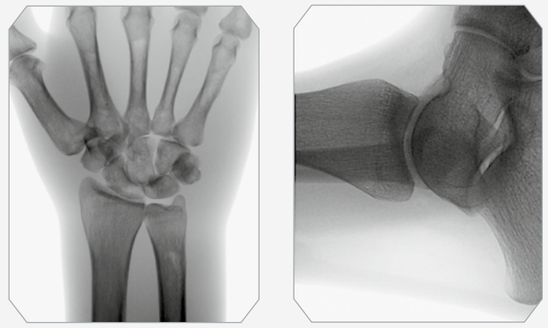
→ Mobile accessory cart

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.





Hand imaging

Ankle imaging

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:

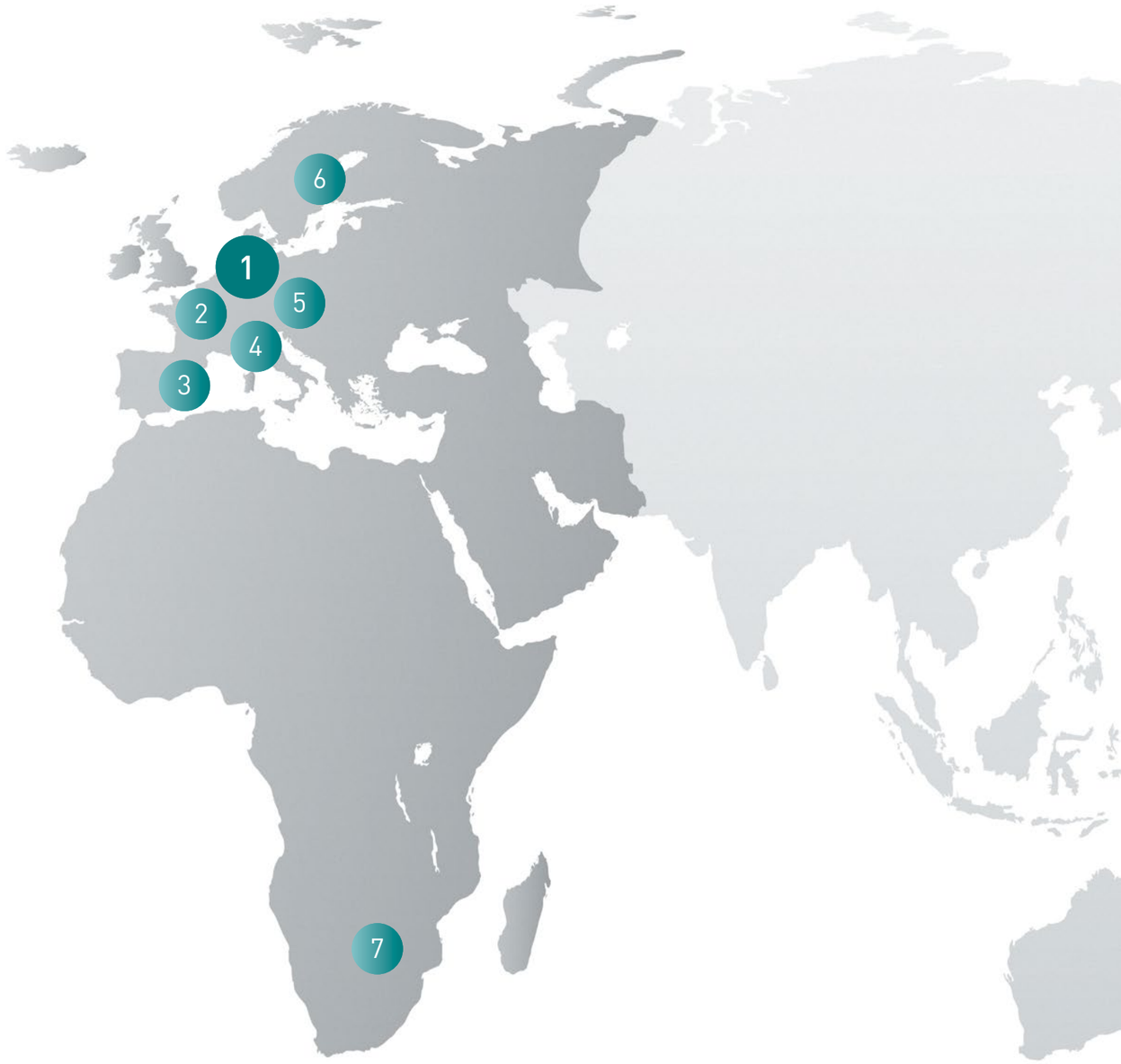
- Weight-bearing foot bench
- Custom covers & drapes
- Wheeled storage case
- Desktop setup

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

1. **Nuremberg (Germany)**
2. Paris (France)
3. Valencia (Spain)
4. Reggio Emilia (Italy)
5. Tulln an der Donau (Austria)
6. Kerava (Finland)
7. Midrand (South Africa)

www.ziehm.com/Orthoscan

Orthoscan and Orthotouch are registered trademarks of Ziehm-Orthoscan, Inc.

[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.

Headquarters Germany
Ziehm Imaging GmbH
Lina-Ammon-Strasse 10
90471 Nuremberg, Germany
Phone +49 911 660 67 0
Fax +49 911 660 67 390
info@ziehm.com

Spain
Ziehm Imaging Spain SLU
Avenida Pérez Galdós 13–14ª
46007 Valencia, Spain
Phone +34 960 911 152
spain@ziehm.com

Austria
Ziehm Imaging Austria GmbH
Ziegelfeldstrasse 10
3430 Tulln an der Donau
Austria
Phone +43 2272 66441
austria@ziehm.com

France
Ziehm Imaging S.A.R.L.
1, Allée de Londres
91140 Villejust, France
Phone +33 1 69 07 16 65
Fax +33 1 69 07 16 96
france@ziehm.com

Italy
Ziehm Imaging Srl
Via Paolo Borsellino, 22/24
42124 Reggio Emilia, Italy
Phone +39 05 22 61 08 94
Fax +39 05 22 61 24 77
italy@ziehm.com

Finland
Ziehm Imaging Oy
Kumitehtaankatu 5
04260 Kerava, Finland
Phone +358 4 49 75 75 37
finland@ziehm.com

South Africa
Ziehm Imaging SA
Unit D1 Tillbury Business Park,
16th Road, Randjespark
1683 Midrand, South Africa
craig.loser@ziehm-sa.co.za
Phone +27 113 14 31 08
Fax +27 113 14 33 54