ORTHOSCAN
Part of Ziehm Imaging

Orthoscan is constantly improving its products and reserves the right to change the specifications without notice. Presented data are subject to tolerances. A Spacer cone is used to maintain compliance with minimum source-skin distance requirements per 21 CFR 1020.32. The spacer cone should only be removed when performing specific surgical procedures that require source-skin distances less than 19 cm. Orthoscan®, Orthotouch™, Orthoscan Versa®, and Orthoscan TAU® are registered trademarks of Ziehm-Orthoscan, Inc. The product descriptions and images mentioned herein may include optional hardware and software features, which may vary by country. Due to regulatory reasons future availability cannot be guaranteed. Ziehm-Orthoscan, Inc. is a subsidiary of Ziehm Imaging GmbH. Ziehm Imaging is the official sales and service representative of Orthoscan mini C-arms in Europe, Middle East, and Africa. Please contact your local Ziehm Imaging sales representative for detailed information.

[1] Compared to 12 cm x 15 cm detectors.
[2] Using Intelligent Dose Reduction (with Cu 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] Only available on the Orthoscan TAU 1515, the Orthoscan TAU 2020, and the Orthoscan Versa.
[4] Compared to 12 cm x 15 cm detectors and 13 cm x 13 cm detectors.
[5] In continuous mode, users will not attain the stated levels of cumulative dose reduction possible with that offered in pulse fluoroscopy. In clinical practice, the use of Intelligent Dose Reduction 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.
[6] Using Intelligent Dose Reduction (with Cu filter) when compared to Orthoscan 1000-0004.
[7] In clinical practice, the use of Intelligent Dose Reduction 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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Mini C-arms

Dedicated to extremity imaging

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Live image size

Expect exceptional diagnostic imagery with a 36.8 cm x 36.8 cm live image to see fine details of anatomy with vivid clarity



On-screen help

Description of common system functions available directly on-screen

32" monitor

With the largest screen on a mini C-arm, experience optimal eye comfort on a high-bright, 3,840 px x 2,160 px resolution monitor

Keyboard

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

Innovative imaging solutions for orthopedic surgeons. Orthoscan has been the leader in the mini C-arm market since 2002 with a worldwide installed base, and is committed to innovative digital imaging solutions for orthopedic surgeons in offices and clinical environments. Mini C-arms are the ideal solution for fluoroscopy of the extremities at minimized dose levels without sacrificing image quality. Orthoscan's TAU family are the first mini C-arms designed and cleared for use with pediatric patients. In addition, the Orthoscan Versa provides unmatched flexibility and mobility.



TAU 20|20

The superior choice in imaging



TAU 15|15

Upgrade your expectations



TAU 15|12

Exceptional imaging begins here



VERSA

Extremity imaging. Anywhere.

	TAU 20|20	TAU 15|15	TAU 15|12	VERSA
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 15 cm
Image resolution	2,000 x 2,000	1,500 x 1,500	1,500 x 1,200	1,500 x 1,500
Pixel spacing	100 microns	100 microns	100 microns	100 microns
Pulsed fluoroscopy	■	■	–	■
High-bright LCD monitor	32", optional 27"	27", optional 32"	24", optional 27"	24"
Touchscreen	■	■	■	■
Bilateral sterile field controls	■	■	■	–
Stepless collimator	■	–	–	–
Optimized dose filter	■	■	■	■
Pediatric mode	■	■	■	■
Orbital movement	160°	160°	160°	180°
Weight	215.5 kg	215.5 kg	215.5 kg	15.9 kg (C-arm), 12.7 kg (monitor), 90.7 kg (cart)

available ■ | not available –

TAU

First-in-class pediatric indication
Designed for use with pediatric patients

Keeping it mini
Lightweight and compact design simplifies transportation and storage

Connectivity
Easy access to the power button and 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, and improved umbilical cable

01 / The superior choice in imaging.
Orthoscan TAU 2020

→ Bigger detector. Bigger possibilities.

At more than twice the size of the detectors found on conventional mini C-arms[1], the Orthoscan TAU 2020 blurs the line between mini and full size. Confirm joint space with accuracy, see fractures in full view, and reduce dose by minimizing shots so you can work efficiently. Combined with pediatric indication, it is possible to 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 the 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 with a clear image for an accurate diagnosis.

→ Optimize patient outcomes

At Orthoscan, we understand your concern about radiation exposure and the demand for high-quality images. That's why the Orthoscan TAU 2020 is equipped with Intelligent Dose Reduction technology[2] that provides the best in diagnostic image quality while reducing exposure to you and your patients.





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

PULSED FLUOROSCOPY

- Pulsed fluoroscopy[3] at 30 pps significantly reduces dose rate compared to conventional continuous fluoroscopy – without loss of image quality or detail
- Greater dose reduction with 15 or 7.5 pps

OPTIMIZED DOSE FILTER

- The first mini C-arm with pediatric indication
- Reduced dose while maintaining image quality
- Reduced exposure to surgeons and patients

NEXT-GENERATION FLAT-PANEL DETECTOR

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



Hand imaging



Foot imaging



Elbow imaging

02/Upgrade your expectations.
Orthoscan TAU 1515

→ Capture more anatomy in one shot

With a 15cm x 15cm detector, the Orthoscan TAU 1515 provides 25–33% larger surface area compared to conventional mini C-arms[4]. 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 50.8cm, and an integrated umbilical cable, the 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.

→ Optimize patient outcomes

At Orthoscan, we understand your concern about radiation exposure and the demand for high-quality images. That's why the Orthoscan TAU 1515 is equipped with Intelligent Dose Reduction technology[2] that provides the best in diagnostic image quality while reducing exposure to you and your patients.





UP TO
79%
CUMULATIVE DOSE REDUCTION CAN BE ACHIEVED[2]

PULSED FLUOROSCOPY

- Pulsed fluoroscopy[3] at 30pps significantly reduces dose rate compared to conventional continuous fluoroscopy – without loss of image quality or detail
- Greater dose reduction with 15 or 7.5pps

OPTIMIZED DOSE FILTER

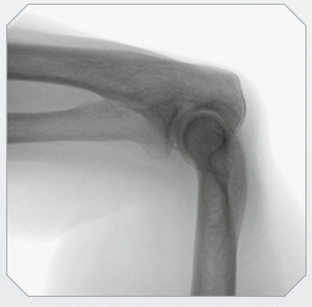
- The first mini C-arm with pediatric indication
- Reduced dose while maintaining image quality
- Reduced exposure to surgeons and patients

NEXT-GENERATION FLAT-PANEL DETECTOR

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


Hand imaging


Foot imaging


Elbow imaging

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 causing patient discomfort. Whether you're imaging children or adults, a 50.8 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.

→ Optimize patient outcomes

At Orthoscan, we understand your concern about radiation exposure and the demand for high-quality images. That's why the Orthoscan TAU 1512 is equipped with Intelligent Dose Reduction technology[5,6] that provides the best in diagnostic image quality while reducing exposure to you and your patients.





UP TO
66%
CUMULATIVE DOSE REDUCTION CAN BE ACHIEVED[5,6]

OPTIMIZED DOSE FILTER

- The first mini C-arm with pediatric indication
- Reduced dose while maintaining image quality
- Reduced exposure to surgeons and patients

NEXT-GENERATION FLAT-PANEL DETECTOR

- Increased workflow and efficiency
- Improved image brightness and quality

- Dose reduction and decreased ramp time
- Mag Mode maintains image quality without increasing dose



Hand imaging



Foot imaging



Elbow imaging

04/Extremity imaging. Anywhere.
Orthoscan Versa

→ Mobile extremity imaging

Designed for unparalleled mobility, the Orthoscan Versa is a fully portable imaging solution that seamlessly integrates into any clinical setting – whether on a desktop or an articulating monitor cart. The intuitive touchscreen monitor with 24" and a resolution of 1,920 px x 1,080 px delivers a tablet-like experience, eliminating the need for bulky components and streamlining the clinical workspace. With effortless portability, the Orthoscan Versa enables smooth transitions between satellite clinics and off-site locations, optimizing efficiency and patient care.

→ Effortless movement meets optimal viewing

The Orthoscan Versa features a virtual keyboard for high clinical standards, an integrated touchscreen, compact design, and 180° rotation for improved mobility, workflow, and imaging efficiency. These capabilities are designed specifically to achieve improved patient outcomes and better diagnostics.

→ Optimize patient outcomes

At Orthoscan, we understand your concern about radiation exposure and the demand for high-quality images. That's why the Orthoscan Versa is equipped with Intelligent Dose Reduction technology[7] that provides the best in diagnostic image quality while reducing exposure to you and your patients.



Reliable wired connection for easy and secure image transfer



Versatile setup on a desktop or mounted on an articulating monitor cart



PULSED FLUOROSCOPY

- Pulsed fluoroscopy[3] at 30 pps significantly reduces dose rate compared to conventional continuous fluoroscopy – without loss of image quality or detail
- Greater dose reduction with 15 or 7.5 pps

OPTIMIZED DOSE FILTER

- Mini C-arm with pediatric indication
- Reduced dose while maintaining image quality
- Reduced exposure to surgeons and patients

NEXT-GENERATION FLAT-PANEL DETECTOR

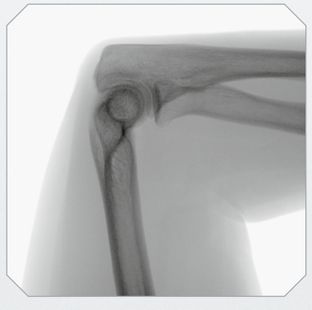
- Increased workflow and efficiency
- Improved image brightness and quality
- Dose reduction and decreased ramp time
- Mag Mode maintains image quality without increasing dose



Hand imaging



Foot imaging



Elbow imaging

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 imaging with the advanced Orthoscan TAU 2020 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.

Service Center

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