



# TAU

TAU 2020



| ORTHOSCAN

# DO MORE. DOSE LESS.

The mini C-arm is changing.

Orthoscan is raising the bar with a family of mini's uniquely designed for surgical imaging and orthopedic care. The power of choice is in your hands with not one, but three different models to choose from. Craftsmanship paired with exceptional performance is what you can expect from a medical device that's surprisingly easy to use and reliable when you need it most.

Orthoscan TAU 1512, Orthoscan TAU 1515, and Orthoscan TAU 2020 feature first-in-class technology such as pediatric indication to reach new patients or stepless collimation, limiting the area of interest for a clear and focused image.

Benefit from more information in richer detail at a glance with the next generation of Flat Panel Detector technology. This is just the beginning. Welcome to the evolution of imaging.

## TAU FAMILY FEATURES



Pediatric Indication



Improved Bilateral Controls



Surgical LED Lights



Enhanced Security



Modern Design



User-friendly Connectivity



Upgraded Serviceability



Intelligent Dose Reduction





# Three models. One goal.

The more you know about the TAU family, the more there is to love. Use the chart below to compare models and choose the one that's right for you.



	TAU 1512	TAU 1515	TAU 2020
Image Resolution	1400 x 1100	1400 x 1400	1900 x 1900
Cumulative dose reduction	Up to 66% <sup>1,2</sup>	Up to 79% <sup>3</sup>	Up to 86% <sup>3</sup>
Display size	24" LCD	27" LCD	27" LCD
Primary "live" image	30.5cm x 24.1cm	30.5cm x 30.5cm	33cm x 33cm
Dual reference image	12.7cm x 10.2cm	12.7cm x 12.7cm	15.2cm x 15.2cm
Pixel spacing	100 microns	100 microns	99 microns
Orthotouch	✓	✓	✓
Pediatric indication	✓	✓	✓
Pulsed fluoroscopy	—	✓	✓
Stepless collimator	—	—	✓



*What is*

# Intelligent Dose Reduction?<sup>4</sup>

While you're taking care of patients, Orthoscan takes care of you with cutting-edge technology for high-quality images while reducing radiation exposure. Pulsed fluoroscopy, an optimized dose filter, and next generation Flat Panel technology come together to bring you the best in diagnostic imaging.



## **PULSED FLUOROSCOPY<sup>5</sup>**

- ✓ Selectable pulse rates of 30, 15, 7.5 & 2 pps
- ✓ Dose reduction without loss of image quality
- ✓ X-ray emits as series of short pulses instead of continuous flow



## **OPTIMIZED DOSE FILTER**

- ✓ Only mini C-arms approved for pediatric use
- ✓ 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
- ✓ Mag Mode maintains image quality without dose increase

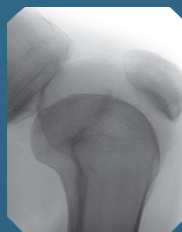
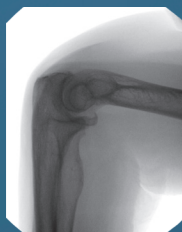
# TAU 15|12

Exceptional imaging begins here

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, while a 15cm x 12cm detector is just the right size for imaging various anatomy.

Of all the challenges in the medical industry, mobility should not be one of them. Improve your work flow and efficiency with minimal adjustments, allowing you to effortlessly maneuver in the surgical field with just a turn of the wrist. An innovative 3-way braking system gives you the power of mobility for improved steering during transport and stability while positioning the device.





## TECHNICAL SPECIFICATIONS

### MONITOR

Display size	24" LCD
Primary "live" image	30.5cm x 24.1cm
Dual reference image	12.7cm x 10.2cm
HDMI	✓

### DETECTOR

Type	Flat Panel detector
Image resolution	1400 x 1100

### X-RAY GENERATOR

kV range	40 - 78 kVp
mA range	0.040 - 0.160 mA
Operating mode	Continuous

### ELECTRICAL

Sterile field controls	Bilateral
Multifunction wireless foot switch	✓
Laser alignment	✓
Surgical LED lights	✓

### DOCUMENTATION

Wireless communication	Optional
DICOM 3.0 compliant	✓
Printer	✓

### MECHANICAL

Weight	215.5kg
Height	122cm
Footprint (W x L)	73.7cm x 83.3cm

# TAU 15|15

## Upgrade your expectations

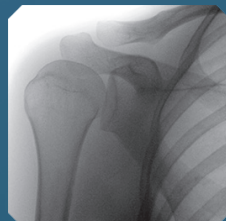
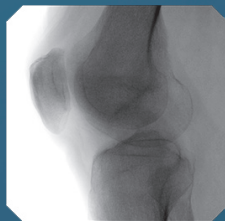
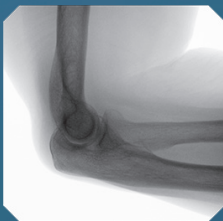
Orthoscan TAU 1515 is engineered from the inside out for durability and mobility in a lightweight frame. Surgeon driven design means navigating restrictive rooms and hallways while compact mode allows for simple storage solutions and transportation.

A 15cm x 15cm detector provides 25 - 33% larger surface area when compared to conventional mini C-arms<sup>6</sup>, keeping your focus on the patient and not the equipment while positioning challenging anatomy.

To meet industry concerns, the Orthoscan TAU family includes Intelligent Dose Reduction, allowing you to do more while dosing less. Pulsed fluoroscopy, an optimized dose filter, and next generation Flat Panel detector technology work together, giving you the best in diagnostic image quality while reducing exposure.







## TECHNICAL SPECIFICATIONS

### MONITOR

Display size	27" LCD
Primary "live" image	30.5cm x 30.5cm
Dual reference image	12.7cm x 12.7cm
HDMI	✓

### DETECTOR

Type	Flat Panel detector
Image resolution	1400 x 1400

### X-RAY GENERATOR

kV range	40 - 78 kVp
mA range	0.040 - 0.160 mA
Selectable pulse rate	Cont, 30, 15, 7.5, 2 pps

### ELECTRICAL

Sterile field controls	Bilateral
Multifunction wireless foot switch	✓
Laser alignment	✓
Surgical LED lights	✓

### DOCUMENTATION

Wireless communication	Optional
DICOM 3.0 compliant	✓
Printer	✓

### MECHANICAL

Weight	215.5kg
Height	121.9cm
Footprint (W x L)	73.7cm x 83.9cm

# TAU 20|20

## The superior choice in imaging

Blurring the lines between mini and full size, Orthoscan TAU 2020's detector is over twice the size found on conventional mini C-arms<sup>7</sup>. A 20cm x 20cm surface area allows you to confirm joint space with accuracy, see fractures in full view, and save dose by minimizing shots so you can work efficiently.

The Orthoscan TAU 2020 was designed with key features in mind to make a noticeable difference in your work flow and efficiency. The 27" touchscreen display is the largest on the market for a mini, providing you rich detail at a glance. Minimize patient dose and exposure with the stepless motorized collimator — an industry-first in a mini C-arm. Significant dose savings can be achieved with Intelligent Dose Reduction technology, reducing exposure to you and your patients while maintaining high-quality images.





## TECHNICAL SPECIFICATIONS

### MONITOR

Display size	27" LCD
Primary "live" image	33cm x 33cm
Dual reference image	15.2cm x 15.2cm
HDMI	✓

### DETECTOR

Type	Flat Panel detector
Image resolution	1900 x 1900

### X-RAY GENERATOR

kV range	40 - 78 kVp
mA range	0.040 - 0.160 mA
Selectable pulse rate	Cont, 30, 15, 7.5, 2 pps
Stepless Collimator	✓

### ELECTRICAL

Sterile field controls	Bilateral
Multifunction wireless foot switch	✓
Laser alignment	✓
Surgical LED lights	✓

### DOCUMENTATION

Wireless communication	Optional
DICOM 3.0 compliant	✓
Printer	✓

### MECHANICAL

Weight	215.5kg
Height	121.9cm
Footprint (W x L)	73.7cm x 83.9cm

## 1. ORTHOTOUCH™ | Advanced touchscreen interface.



Color interface



Anatomical selections



Touch support



Pediatric software

## 2. USER-FRIENDLY CONNECTIVITY | Easy access to the power button and I/O ports directly on top of the chassis.

## 3. THREE-WAY BRAKE CONTROL | Maneuver your system with ease down hallways, around corners, and in the operating room.

## 4. INTEGRATED CABLE PUSHERS | Protects power cords and other cables from being damaged.

## 5. IMPROVED BILATERAL CONTROLS | New back-lit controls are easier to see with additional buttons for upgraded functionality in the sterile field.



ORTHOSCAN



[www.orthoscan.com](http://www.orthoscan.com)



800.480.503.8010



480.503.8011



14555 N 82<sup>nd</sup> St. Scottsdale, AZ 85260

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*<sup>1</sup> In continuous mode, users will not attain the stated levels of cumulative dose reduction possible with that offered in pulse fluoroscopy. <sup>2</sup> Using Intelligent Dose Reduction (with Cu filter) when compared to Orthoscan 1000-0004. <sup>3</sup> Using Intelligent Dose Reduction (with Cu filter) when compared to Orthoscan 1000-0004-FD. <sup>4</sup> 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. <sup>5</sup> Only available on TAU 1515 and TAU 2020. <sup>6</sup> Compared to 12cm x 15cm detectors and 13cm x 13cm detectors. <sup>7</sup> Compared to 12cm x 15cm detectors.*