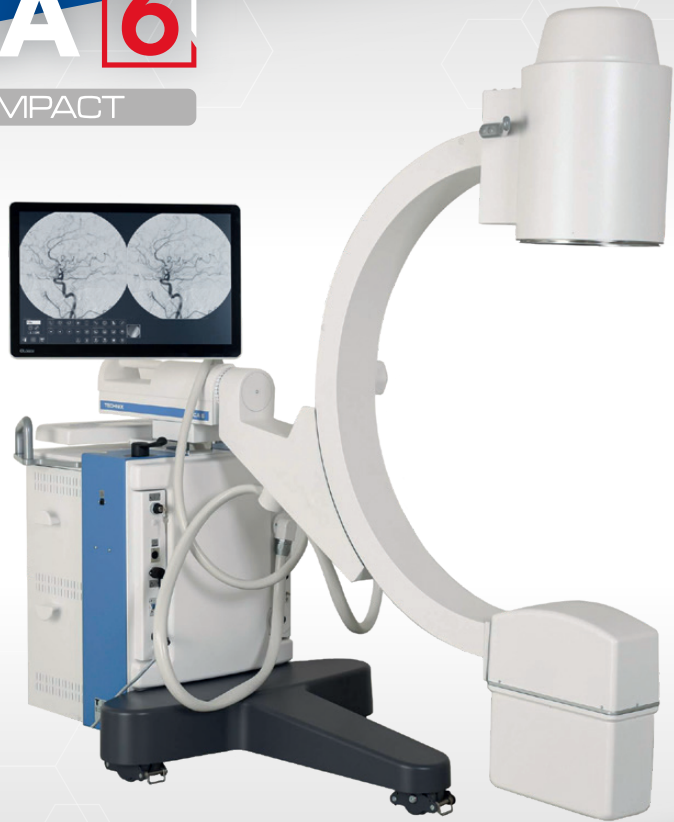


# TCA 6

COMPACT



## TCA 6 Compact

**T**CA 6 Compact replicates TCA 6 functions in an all-in-one configuration with integrated workstation. The c-arm is still equipped with **9" image intensifier** and **1Kx1K CCD camera**, and available in **3,5 kW** and **5 kW** power versions, respectively characterized by fixed and rotating anode.

Thanks to the absence of the monitor trolley, the system is even more compact and easy to handle, perfect for the smaller surgical rooms. Cable pushers are available on all the stand wheels and graduated scales facilitate c-arm positioning. The column elevation and the lateral rotation are motorized.

The user interface is simple and very intuitive. Via an adjustable arm, a **24" touch-screen LCD monitor** with split screen is mounted directly on the c-arm for Live and Reference image visualization, while a  $\pm 60^\circ$  rotating keyboard allows the management of all operative parameters and messages. All DICOM 3.0 functions are available, and the acquired images can be easily printed, exported and sent to the hospital servers, even in wireless mode.



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# Tx TECHNIX



# TCA 6

Highly optimized mobile surgical C-Arm  
with Image Intensifier

# TCA 6

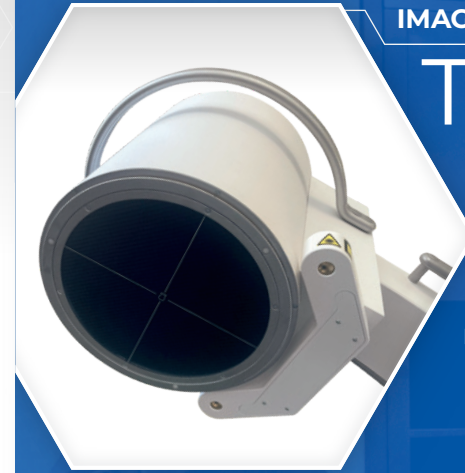


## TCA 6

**T**echnix TCA 6 is a mobile fluoroscopy c-arm with **9" image intensifier** and **1Kx1K CCD camera**. The system is the result of significant optimization in terms of size, weight, balance, x-ray features and price-quality ratio. Graduated scales and cable pushers on all stand wheels make the c-arm easy to maneuver and position. Column elevation and lateral rotation are motorized, while the remaining movements are manual, braked and perfectly balanced. TCA 6 is available in two different power versions: **3.5 kW** with fixed anode or **5 kW** with rotating anode. It can be supplied in a compact version, with integrated workstation, or with a **separate monitor trolley**. The stand-alone display station can be equipped with a **single 24" LCD monitor** or with **two 19" LCD monitors**; while on the c-arm stand an ergonomic +/-60° rotating keyboard allows the management of all the operating parameters and messages. User interface is simple and very intuitive, ensuring an efficient workflow and compliance with current DICOM standards for image storing, printing and exporting, and for patients' data retrieval. The c-arm design allows for quick cleaning of surfaces, and rapid and safe application/removal of sterile covers, before and after use.

## IMAGE QUALITY AND DOSE OPTIMIZATION

**T**he **triple field 9" image intensifier** and **1K x 1K CCD camera** grant good quality fluoroscopy images, and the fixed anti-scattering grid reduces the effects of scattered radiation enhancing the contrast. With the installation of a **dose meter**, all the relevant dose information is traced, like DAP (Dose Area Product), RAK (Reference Air Kerma), RAKR (Reference Air Kerma Rate) and x-ray effective time. A **laser targeting device** allows c-arm positioning without radiation. Similarly, the **virtual collimator** allows precise collimation on the area of interest without performing useless x-ray exposures.



## EXCELLENT C-ARM MOVEMENTS AND MANEUVERABILITY

**T**he greatest advantages of TCA 6 are its enhanced flexibility and capacity to satisfy users' needs in the operating theatre. The c-arm can be easily displaced and precisely positioned thanks to graduated scales. All manual movements are provided with brake handles, while the **motorized vertical elevation** of the column can be stopped at the desired position with an electromagnetic brake. The lateral rotation of the c-arm can be motorized in the range +/-30°, speeding up workflow in specific clinical applications. The large distance between the unit's stand and the SID axis ensures a large free space around the c-arm and easier access to the patient. The wide orbital rotation allows x-ray exposure to be taken also with TCA 6 in horizontal position.



## DSA PACKAGE AND SW FUNCTIONS

**T**CA 6 Digital Imaging System offers a full range of SW functions for live and post processing of x-ray images in lots of different clinical applications, including peripheral vascular surgery. **DSA package** provides: road map with max opacity fluoroscopy acquisition, subtraction, auto mask, land marking, pixel shifting, manual stenosis measurement and QA.

Compliance with **DICOM 3.0** standards allows images to be printed, stored even in wireless mode, and exported both on USB and CD/DVD. A **thermal printer** and an **HDMI port**, able to replicate what shown on the image monitor on a different screen, are available as optional.



## WIRELESS FOOTSWITCH

**T**o minimize cable clutter, TCA 6 can be supplied with a **multifunctional wireless footswitch**, capable of controlling various exposure modes with a nominal range of 10 meters (up to 15 meters in a straight line).

