



## Compact 40 TS



# Compact 40 TS

## X-Ray generator

- high frequency monoblock generator
- max power 40kW (100kV-400mA-0.1s)
- max voltage 125kV
- max current 500mA
- max 400mAs
- ripple frequency 40kHz
- ripple 1%
- monoblock thermal capacity 825kJ-1103kHU

## X-Ray tube

- X-Ray tube with rotating anode 3000 rpm
- focal spot 0.75-1.25mm
- anode material RTM
- anode angle 15°
- thermal capacity 300kHU
- continuous thermal dissipation max anode 750W

## control desk

- control desk controlled by a panel PC with 9" touch screen display

## operative modalities

- 2-point technique (kV and mAs)
- 3-point technique (kV, mA, time)
- human anatomical parts:
  - 150 program
  - 5 different patient sizes
  - re-programmable by operator
- veterinary anatomical parts:
  - 6 different animals
  - patient size provided in thickness or weight
  - re-programmable by operator
- automatic generation of the dated exposure list containing radiological parameters and operators name
- collimator lamp ON/OFF switch also from control panel
- possibility to switch potter bucky ON/OFF
- X-ray button with double release with extension cable up to 4 meters

## kV selection

- continuously from 40 to 125kV

## selection of exposure times

- in 32 values from 0.003 to 6.3s
- in 33 values from 0.001 to 6.3s (upon request)

## mA selection

- in 11 values from 50 to 500mA

## mAs selection

- in 32 values from 0.1 to 400mAs

## safety devices and guards

- protection and automatic control of filament current protection from over current and over voltage
- protection from maximum load of X-ray tube
- operator error or malfunctioning indication

## power supply

- standard voltage 230V±10%, 50/60Hz, 16A max
- additional voltage 240V o 110V
- line resistance 0.4Ω

## weights and dimensions

- control desk 480x485x430 mm
- monoblock 415x181x307,5 mm
- weight 89 Kg

## installation

- system designed to be installed inside radiological table (not provided by SMAM)

## accessories upon request

- collimator with multiple layer blades and manual control, variable field from 0x0 to 43x43cm to a 100cm DFF, high intensity halogen lamp 160lux at 100cm ON/OFF timer of lamp at 30s
- possibility of connection to a D.A.P. (kerma measurement system for area) with relative thermal printer

with possibility  
of modification  
or improvements

CE0051

Compliant  
with  
93 • 42 • EEC  
Directive  
class II b



ISO 13485:2012  
ISO 9001:2008

TMCT40TS Rev.0