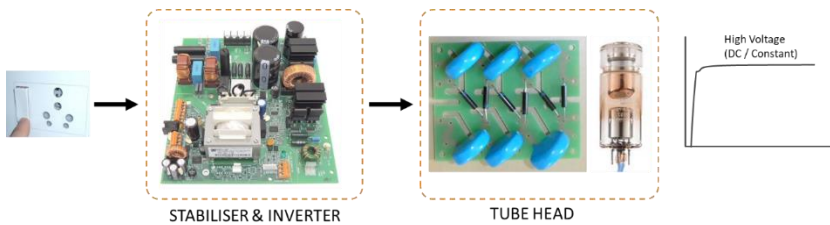
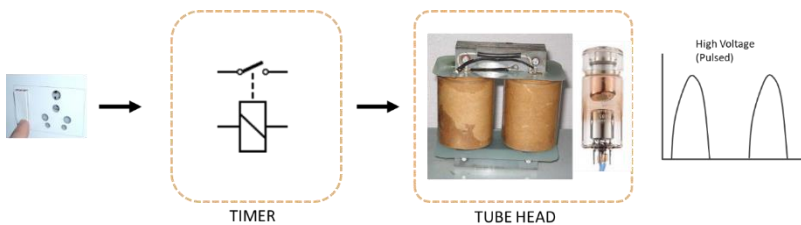


DC X-RAY VS AC X-RAY

DC X-Ray: **Direct Current X-Ray** use electronics to produce a steady high voltage for the x-ray tube. It produces x-ray with higher energy, better stability and quality. X-Ray dose & strength can be controlled and hence additional features and safety is possible.



AC X-Ray: **Alternating Current X-Ray** directly amplifies the mains voltage using a transformer. This is fed to the x-ray tube, where pulsating x-rays are produced. It cannot be controlled and hence, the quality of x-ray greatly depends on the equipment's quality, mains voltage & other external factors.



DC X-RAY IS LIGHTER AND EASIER TO USE

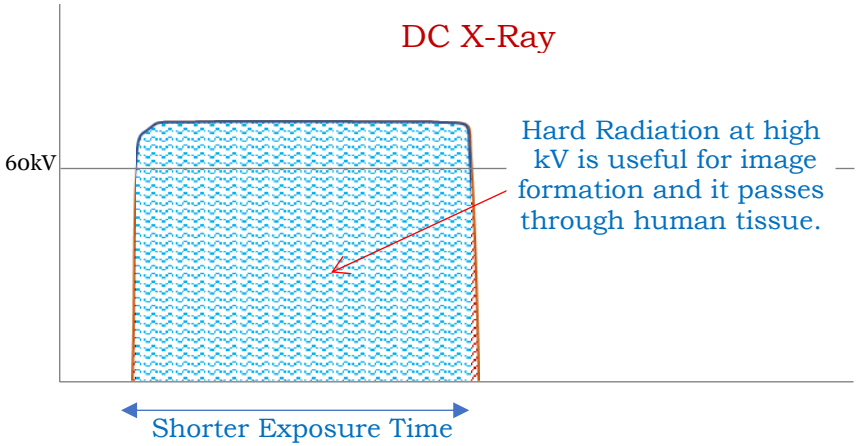
DC X-Ray
Easier
to move and
position



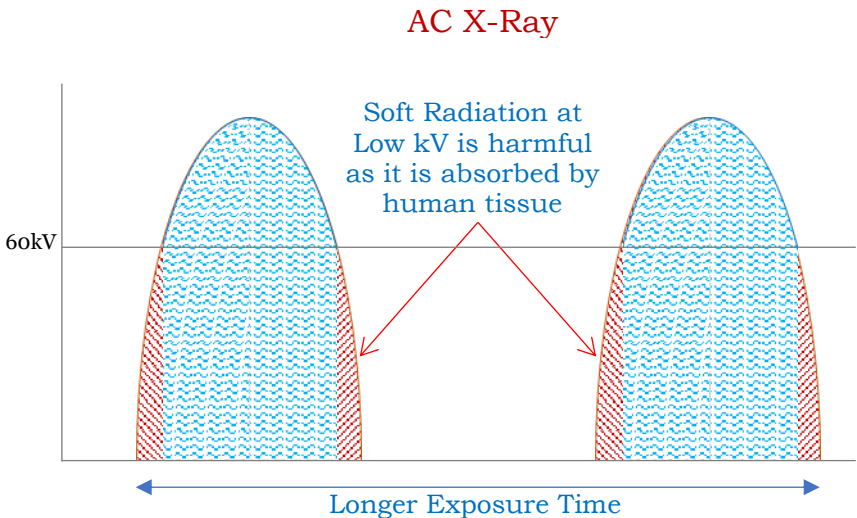
AC X-Ray
Heavy Head
makes positioning
Difficult and Unreliable



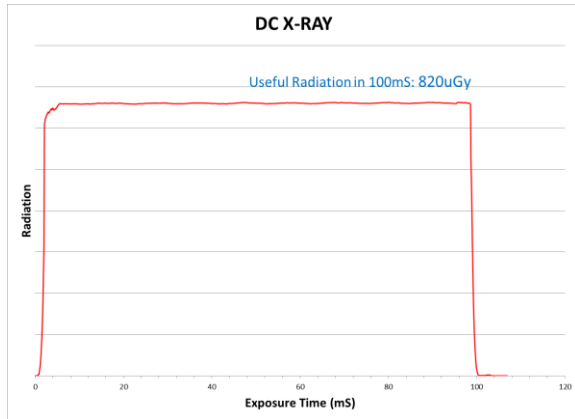
DC X-RAY IS SAFER



*SOFT RADIATION FROM
AC X-RAY CAN DAMAGE
DIGITAL SENSORS*

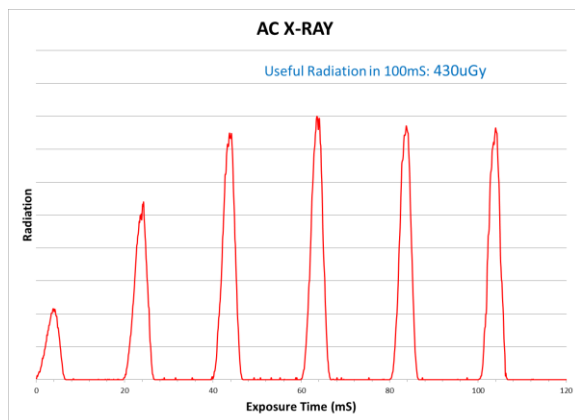


DC X-RAY PRODUCES STEADY CONSTANT X-RAY

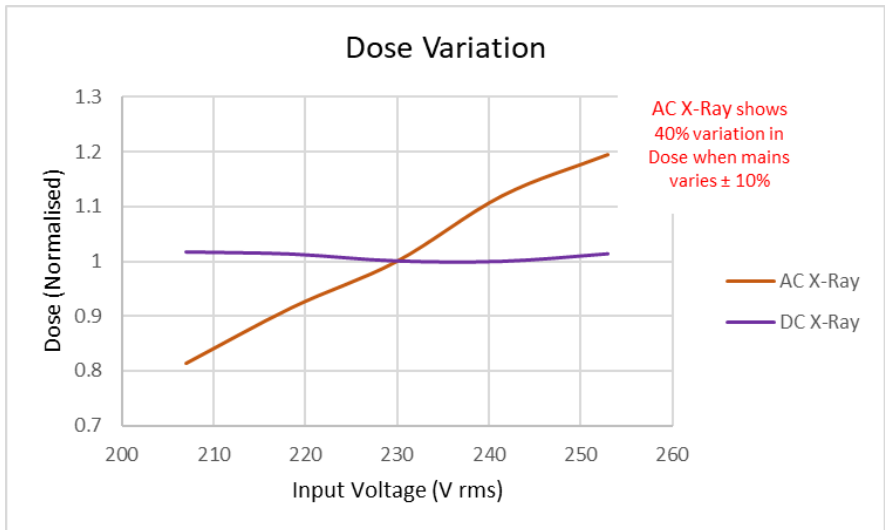


Actual X-Ray Measurement from a DC and AC X-Ray Machine. Invisible x-ray can be measured using sophisticated instruments. The DC X-Ray clearly shows steady and higher dose rates.

Instrument: RaySafe Xi



DC X-RAY PERFORMANCE DOES NOT VARY



The X-Ray dose and quality from AC x-ray changes based on Mains Voltage, Temperature and Ageing.