The X-ray tubes of xgenus® devices are located right at the back of the tube head, ensuring better protection of the operator, thanks to a 50% greater source-skin distance than traditional system configurations. Both the filtration process (equivalent to 2 mm Al at 70kV) and the excellent control of radiation leakage (less than 0.36 mSv/h at 1 meter) contribute to the protection of the practitioner and his/her assistant from harmful ionising radiation, in line with the strictest demands on ergonomics.

Three different versions of bracket are available (full mouth x-ray, 4cm² (32’2’’), 11cm² (4’2’’), offering respective lengths of 142cm, 181cm and 212cm x-raying cones).

The control button, incorporating a security timer system, determines a microprocessor, ensuring that the dose of radiation administered to the patient remains constant. This technology avoids any repetition of errors due to under or over exposure, from the very first time it is set up.
The new generator xgenus®-dc is equipped with an X-ray tube (intensity from 4 to 8 mA), producing a constant voltage of 50 kV to 70 kV at high frequencies, at a constant electric potential allowing the emission of high quality X-rays, in any conditions.

The choice of the voltage, 60 or 70 kV and of the anode current (4 or 8 mA) allows optimization of the diagnosis for intravital set-up, with an exposure reduction close to 36% compared to the monophasic technology devices.

The timer is able to control up to 2 xgenus®-dc generations.

The short exposure times (minimum 0.020 sec) are perfect for the digital radiology with CCD, CMOS, or phosphonic sensors (the radiations are 85% lower than those used with the type 16” film).

The new xgenus® generator is equipped with a monophasic X-ray tube, within independent auto-regulation systems producing an high voltage of 70 kV with a great intensity of 8 mA.

For better precision, the high-intensity radiation is concentrated in a focal spot with a 0.7 mm diameter. In the standard cone set-up, the generator perfectly suits the parallel technique (also available as short cone and rectangular cone options).

The new timer is set for use with 12”, 10”, or 7” films.

Can be spaced apart and is able to control one or two X-ray, for any technology: xgenus® + xgenus® or xgenus® + xgenus®-dc.

Flexibility makes the xgenus® system unique, offering probably the best flexibility for intra-oral X-ray.