

Forward-thinking functionality –
designed for future development
and product extension

iVario GENERATORS

COMET

THE NEW iVARIO GENERATOR

With extensive experience in developing and enhancing the X-raying process, COMET introduces the new iVario generator. iVario employs the latest technological advancements, for a more adaptable, stable and efficient design. The generator is the result of decades of specialist knowledge, experience and cutting-edge solutions that can be expected only from leading experts in the field.

Optimizing performance

The timely iVario generator is designed and engineered to fulfill the specific needs of the X-ray tube, optimizing the overall performance of the X-ray module. The iVario generator comes with integrated, finely tuned profiles of the tubes, assuring the best possible performance of the whole module.

Auto-configuration

The generator is customized specifically for the COMET range, offering a more consistent, compatible and systematic design. Being the first member of the iVario XRS concept, the self-recognition and auto-configuration capabilities of the iVario generator components have been enabled, ensuring that the model is optimized for the highest standard of performance.

COMET
Technology with Passion

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MAXIMIZES TUBE FUNCTION

Our latest future-orientated iVario generators feature an even more flexible, modular design, and have been engineered to serve the tube in the best possible way.

These new robust, adaptable iVario generators are available in various models, with a maximum voltage of 450kV and a maximum power output of 4.5kW, guaranteeing solutions for a broad number of applications.

The generator contains the tube library, with optimized tube profiles (ramp-up and ramp-down profiles) that guarantee the longest possible lifespan for the tube and the best module (tube-generator) integration level.

The intelligent, fully customizable arc-handling system reacts to the frequency of arcs – this protects the generator, maximizes the tube's lifespan and maximizes potential uptime.

The precise balance between cathode and anode tanks in bipolar systems allows for the most stable and reliable conditions for the tubes and other components of the module.

iVARIO GENERATOR

Incredibly powerful, unbelievably intelligent



160 kV

VOLTAGE RANGE	7.5–160 kV
ADJUSTMENT INCREMENTS	≤0.1 kV
EMISSION CURRENT RANGE	0–22.5mA / 0–45mA
ADJUSTMENT INCREMENTS	≤0.01mA
MAXIMUM POWER	2250W / 4500W



225 kV

VOLTAGE RANGE	10–225 kV
ADJUSTMENT INCREMENTS	≤0.1 kV
EMISSION CURRENT RANGE	0–15mA / 0–30mA
ADJUSTMENT INCREMENTS	≤0.01mA
MAXIMUM POWER	2250W / 4500W



320 kV

VOLTAGE RANGE	15–320 kV
ADJUSTMENT INCREMENTS	≤0.1 kV
EMISSION CURRENT RANGE	0–22.5mA
ADJUSTMENT INCREMENTS	≤0.01mA
MAXIMUM POWER	4500W



450 kV

VOLTAGE RANGE	20–450 kV
ADJUSTMENT INCREMENTS	≤0.1 kV
EMISSION CURRENT RANGE	0–15mA
ADJUSTMENT INCREMENTS	≤0.01mA
MAXIMUM POWER	4500W



ADAPTABLE, MODULAR DESIGN

With a broad range of hardware and software configuration capabilities, it's easy to adapt the generator for specific needs. Hardware integration, adaptation and backwards compatibility are standard features with the many options and accessories available with the iVario generator.

The iVario's diverse range of software control options means the generator can be operated with your own software, directly with the optional PC software, or touchscreen controller.

With its reliable operating ability and higher uptimes, due to the quick exchange of the generator components, the new iVario generator takes flexibility to a new level. The modular design also allows for an easier upgrade – with another power cell and a simple click, the generator will configure itself.