A comfortable X-ray imaging environment with enh

Simple operation based on direct settings

The rotary encoder setting for X-ray Tube voltage and exposure time enables easy adjustment of optimal exposure condition. (The exposure timer can be set in units of 1 second.)

Reduced operating time with one-mode aging

Aging power is automatically adjusted depending on inspection condition. This reduces the required aging time.

Power-saving mode for low-voltage environment

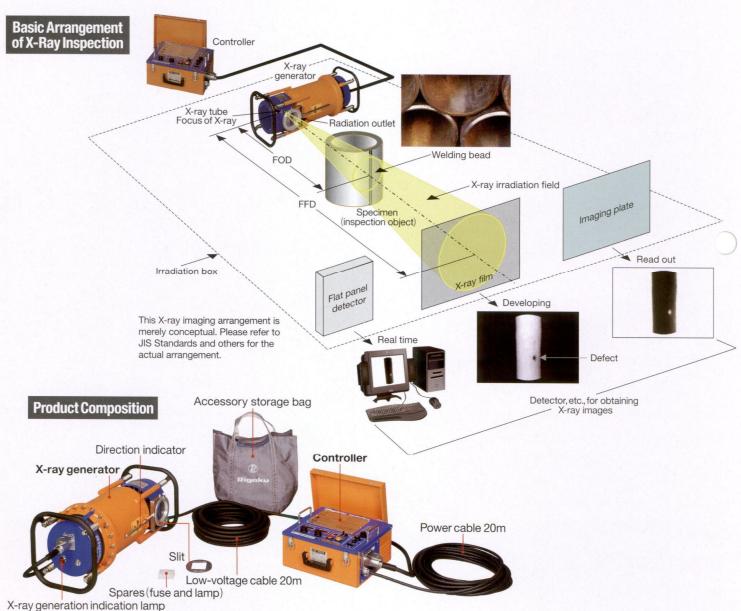
New feature enabling switch from standard (STD) to power saving mode (LOW) when power generator capacity is limited.

Safe operation assured by a variety of safety functions

Various safety functions provide for inspection with reassurance.

- Safety key switch
- Interlock mechanism
- X-ray generation display lamp fitted on generator unit
- Buzzer alarm function



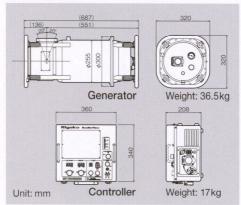


anced operability and safety

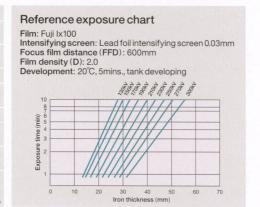
Radioflex

300EGM2/250EGM2/200EGM2

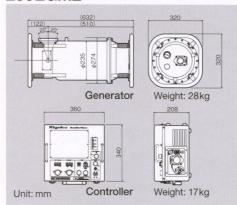
300EGM2



Tube voltage	130~300kV in steps of 2kV
Tube current (STD mode)	5mA (at 160kV or more)
Tube current (LOW mode)	≒4mA (at 160kV or more)
Duty cycle	50% (1:1 intermittent)
X-ray tube	Metal ceramic X-ray tube Focal spot size: 2.5×2.5mm
Inherent filter	Be 1mm+Al 2mm
Dimensions and Weight of generator	687×320×320mm 36.5kg
Dimensions and Weight of controller	360×340×208mm 17kg
Power supply	Single phase AC 190~240V 50/60Hz Power consumption (STD mode) 4.1kVA Power consumption (LOW mode) 3.0kVA



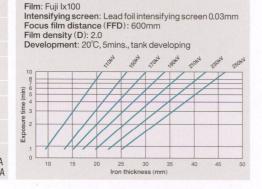
250EGM2



Tube current (STD mode)	5mA (at 140kV or more)
Tube current (LOW mode)	≒4mA (at 140kV or more)
Duty cycle	50% (1:1 intermittent)
X-ray tube	Metal ceramic X-ray tube Focal spot size: 2.0×2.0mm
Inherent filter	Be 1mm+Al 2mm
Dimensions and Weight of generator	632×320×320mm 28kg
Dimensions and Weight of controller	360×340×208mm 17kg
Powersupply	Single phase AC 190~240V 50/60Hz Power consumption (STD mode) 3.7kVA Power consumption (LOW mode) 2.8kVA

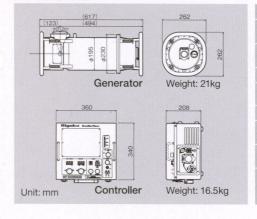
Tube voltage

110~250kV in steps of 2kV



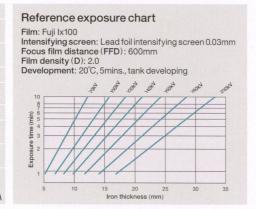
Reference exposure chart

200EGM2



rube voltage	70~200KV III Steps of ZKV
Tube current (STD mode)	5mA (at 90kV or more)
Tube current (LOW mode)	≒4mA (at 90kV or more)
Duty cycle	50% (1:1 intermittent)
X-ray tube	Metal ceramic X-ray tube Focal spot size: 2.0×2.0mm
Inherent filter	Be 1mm+Al 2mm
Dimensions and Weight of generator	617×262×262mm 21kg
Dimensions and Weight of controller	360×340×208mm 16.5kg
Powersupply	Single phase AC 190~240V 50/60Hz Power consumption (STD mode) 3.1kVA Power consumption (LOW mode) 2.4kVA

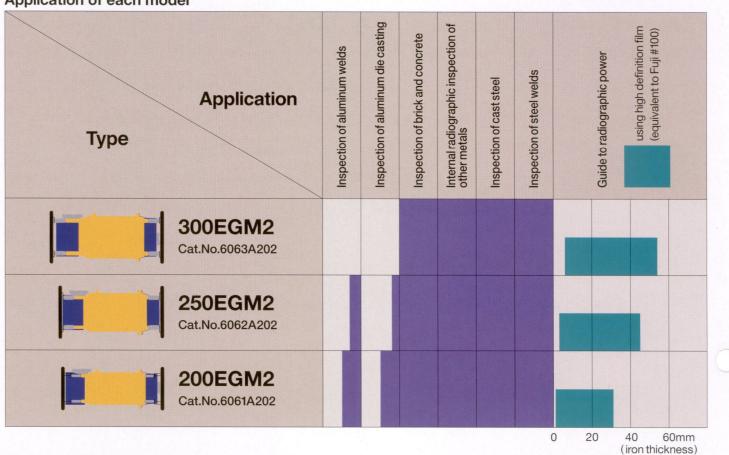
Tube voltage 70~200kV in steps of 2kV



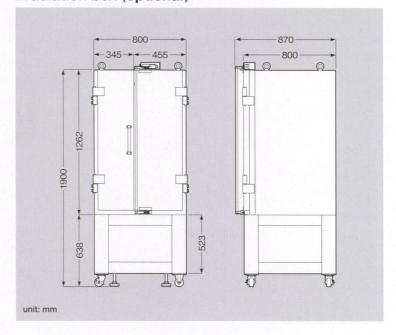
Main Functions/Specifications of Controller

Function	Specification
Timer display (Error display)	 Digital: 1 sec 9 mins. 59 secs. (1-second steps) Error code displayed when error occurs Waiting time displayed when X-ray generation halted (optional)
Auto-aging	Required aging time: Automatic setting for long and short halt
Safety circuits	Safety key switch Output terminal for door interlock Output terminal for X-ray generation warning Pre-warning buzzer function before X-ray generation (optional)
Power saving mode	• Tube current selection switch (STD mode, LOW mode)
Others	●Time-up buzzer ●Line voltage monitor ●Remoter controller (optional)

Application of each model



Irradiation box (optional)



The irradiation box is designed for safe and certain X-ray imaging, as well as saving space.

Specifications

X-ray leakage	Shield capability: 1µSv/h or less
Standard features	Interlock: Safety mechanism to prevent generation of X-rays when door is open.
	Electro-magnetic lock: Safety mechanism to prevent door from being opened while X-rays are generated.
	Lighting inside box: Fluorescent lamp
	Casters for mobility, adjuster bolts for fixing (may not be fitted in some cases, owing to box shape, weight, etc.)
Options	Fluorescent lamp ON-OFF mechanism linked to door opening and closing.

* Size of irradiation box can be customized depending on purpose and space, etc.

Specifications subject to change without notice.

*The numeric values of performance indicated in this brochure are based on the test results at Rigaku. Rigaku does not warrant that the identical values can always be obtained regardless of different operational environments.



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