



Critical Examination Certificate for X-Ray Inspection Equipment, Ionising Radiation Regulations 2017 (Reg. 32 (2))

Certificate No: 560018607 -170726-CEX

The examination after installation, service repair or annual validation visit comprised the following:

Safety features: All interlocks and emergency shut-off systems have been demonstrated to fail-safe and operate to the desired specification. In particular, the trigger of any interlock causes the generation of X-rays to cease and such generation does not automatically recommence when the interlocks are rearmed.

Warning devices: All required hazard warning notices and status warning lamps are present and correct.

Radiation Survey: A composite radiation survey has been conducted around the equipment for detecting the presence of leakage beams and enhanced radiation levels. All accessible exposure rates are confirmed as below 1 micro Sievert per hour ($\mu\text{Sv/h}$) up to the maximum operating parameters of the machine stated below:

Customer and machine details

Customer	ESE Engineering	Customer contact	Scott Gifford
Inspection date	17/07/2026	IJ Job number	
Machine type	IX-GN-4044-S	Serial number	560018607
Max irradiation setting	74.2 kV	Max irradiation setting	3.95 mA

Dosimeter details

Dosimeter type	RadEye G20-ER10	Model reference no.	42506/8710
Dosimeter serial no.	32567	Ishida reference no.	558
Calibration date	17/07/2026	Calibration due	17/07/2027

Radiation survey results

Maximum exposure rate	0.11 $\mu\text{Sv/h}$
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The equipment may be safely operated without restriction by non-classified workers provided it is operated in accordance with the manufacturer's instruction and all warning notices are strictly observed. No modifications should be made unless undertaken by Ishida Europe and a full critical examination is subsequently made. If mechanically or forcibly moved or damage occurs, work must cease and the power isolated. Notify RPS/RPA/Ishida Europe immediately.

Ishida authorised

Safety Advice

Pass

Signed

Print Name

Carlos de Guzman

* made in accordance with Council Directive 96/29 Euratom (also known as the 'Basic Safety Standards Directive') which lays down basic safety standards for the protection of the health and safety of workers and the general public against the dangers arising from ionising radiation.

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