

X-RAY PERFORMANCE VALIDATION

Certificate No:

560018608 -170726

Customer Name	ESE Engineering
Address	Burnley
Email Address	
Customer Contact	Scott Gifford

X-Ray Machine Type/Model
IEL Project Number
IJ Serial Number
IJ Project No.
Line Sensor Hours
Generator Type
Generator Serial Number
Generator Hours

IX-GN-4044-S		
350020484		
560018608		
3899.1		
SND875WH-U	Tube type	I-222
87U2371174219	Tube S/No	3F15631
3899.1		

Installation and condition

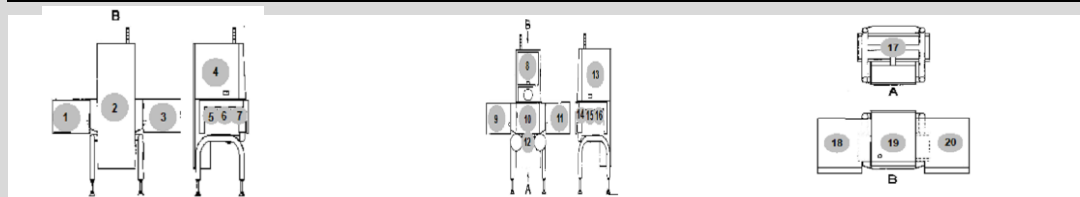
Installation	OK	Operation of Safety Switches	OK	Conveyor speeds	OK
Emergency Safety Stops	OK	Light Stack	OK	Generator oil overflow	OK
Safety Curtains	OK	Jam Sensors	OK	X-Ray Op warning lamps	OK

Comments:

All ok

Maximum Irradiation $\mu\text{Sv}/\text{hour}$ at set points

Test Equipment	RadEye G20-ER10	Model Ref. No.	42506/8710	Serial No.	32567
Meter Type	Calibration date	Calibration Due	07/04/2027	Ishida Ref	558



Point 1	0.07	Point 6	0.09	Point 11	0.07	Point 16	0.12
Point 2	0.07	Point 7	0.08	Point 12	0.08	Point 17	0.13
Point 3	0.07	Point 8	0.08	Point 13	0.08	Point 18	0.11
Point 4	0.08	Point 9	0.07	Point 14	0.10	Point 19	0.1
Point 5	0.08	Point 10	-0.07	Point 15	0.11	Point 20	0.09
Maximum kV	74.20	Maximum mA	3.95	Highest $\mu\text{Sv}/\text{hour}$	0.13		

Irradiation comments:

All OK

Product Tests

IE Std Test Piece	Size	Certificate No.	Detected	Customer Test Piece	Size	Cert No.	Detected
Stainless ball	0.6mm	172314A					
Stainless wire	0.4x5mm	307086					
Glass ball	2mm	223102A					
Ceramic ball	2mm	169753A					

Ishida Test piece certificates available on request

Product name	Preset 1 Test Product	Pre-set kV setting	40kV	40kV
Product height (mm)	15mm	Pre-set mA setting	7.5mA	7.5mA
Reject function	OK	Pre-set speed		40m/min

Product test comments:

All OK

Line Sensor

Line Sensor condition

Line sensor signal now below 50% of original values. Replacement recommended

Reject conformation failsafe

Function	Result	Result
48. Reject confirmation	NA	OK
49. Bin full	NA	NA
50. Build back sensor	NA	NA
51. Reject conformation failsafe	NA	OK
		NA

Personnel Audit

Customer name	Position	Date
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Reject conformation comments

IX not set up for reject confirmation.

Inspected Date	17/07/2026
Next due date	17/07/2027



Carlos de Guzman

Ishida Authorised Engineer.

UK Safety Check

Pass

Ishida Europe Ltd

11 Kettles Wood Drive, Woodgate Business Park, Woodgate Valley, Birmingham, B32 3DB

E-mail: service.adminuk@ishidaeurope.com - Tel: +44 (0) 121 6476447

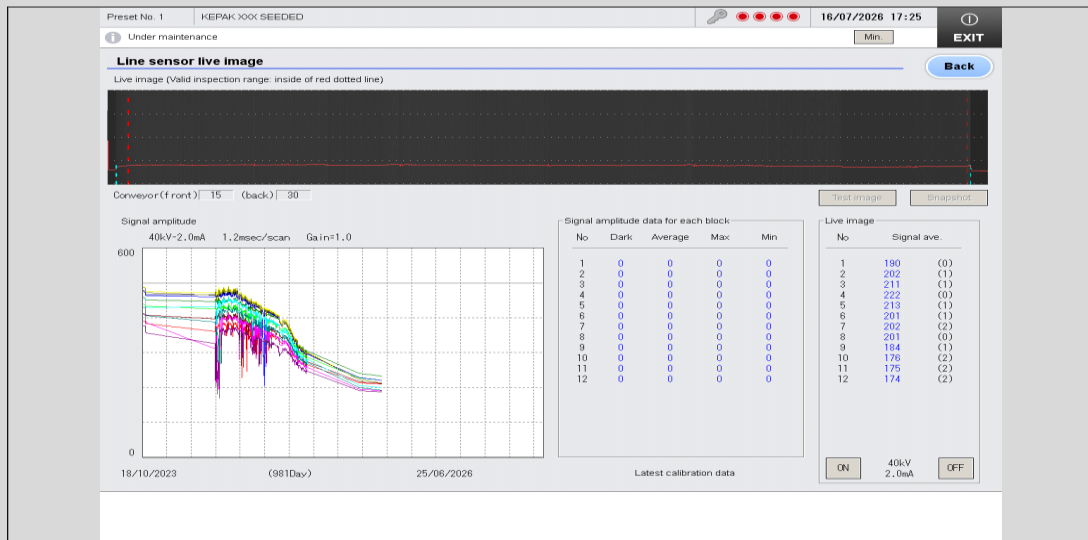
<http://www.ishidaeurope.com>



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Other comments:

X-RAY SERVICE CHECKLIST

Check front emergency stop
Check rear left emergency stop
Check rear right emergency stop
Check infeed guard safety switch
Check infeed protective curtain safety switch
Check inspection conveyor safety switch
Check left inspection protective curtain safety switch
Check right inspection protective curtain safety switch
Check outfeed guard safety switch
Check outfeed protective curtain safety switch
Check front cabinet door safety switch
Check rear cabinet door safety switch
Check X-ray enable key (Can it be removed?)

OK	Check / Replace infeed emission curtains
OK	Check / Replace outfeed emission curtains
OK	Check Light Stack - RED
NA	Check Light Stack - YELLOW
OK	Check Light Stack - GREEN
OK	Check Light Stack - WHITE
OK	Check X-Ray lamps - Front
OK	Check X-Ray lamps - Left
OK	Check X-Ray lamps - Rear
OK	Check X-Ray lamps - Right
OK	Check X-ray generator oil bottle check for oil
OK	G2 Only - Rear infeed guard
Advisory	G2 Only - Rear outfeed
OK	G2 only - Reject chute

OK
OK
OK
OK
OK
OK
OK
OK
OK
OK
OK
OK