

Baggage X-Ray Machine

Activity		Type Of Service				
		A	B	C	D	E
Last Issue Date: 16/05/2017						
1	Check all exterior surfaces for loose, missing or damaged components.				Y	
2	Check operation of conveyor.				Y	
3	Check operation of panel interlocks.				Y	
4	Check operation of emergency stop buttons.				Y	
5	Check operation of System ON and X-ray ON light bulbs.				Y	
6	Check Prolite moving message display for correct operation.				Y	
7	Check error log for ongoing operational issues.				Y	
8	Clean machine including dust build-up and foreign objects from all internal surfaces including collimator.				Y	
9	Check tank for oil leaks.				Y	
10	Check radiation shielding around the X-ray tank and detector assembly.				Y	
11	Remove the internal computer and clean. Check all PCBs and connections for correct seating.				Y	
12	Check all cables for tightness, fraying, exposed wiring or other damage.				Y	
13	Remove detector array cover and inspect PCBs for loose connections.				Y	
14	Monitor machine startup for errors and ensure correct operation.				Y	
15	De-gauss workstation operators console monitor.				Y	
16	Check fans for correct operation and clean fan filters.				Y	
17	Run "Detector Align" and adjust if necessary.				Y	
18	Perform "Air Reference".				Y	
19	Run "Machine Alpha" tool.				Y	
20	Perform "Bag Bounce" (minimum 20 bounces) paying attention to the correct operation of photo eyes and image quality.				Y	
21	Check conveyer belt, entrance and exit tunnel curtains for rips, tears etc.				Y	
22	Check inside system tunnel for stickers that may block the bag sensors.				Y	
23	Check roller beds and security screen for wear and damage. Tighten or replace mounting screws as necessary.				Y	
24	Clean all outer surfaces with approved cleaning agent.				Y	
25	Install any pending FCO as directed.				Y	
26	Perform "Radiation Survey".				Y	
27	Run the Bulk Test (Alpha Tool) 5 times to verify algorithm operation.				Y	
28	Run Step Wedge Test and verify 24 AWG is visible at step 5.				Y	

Disclaimer -This TDS is intended to provide guidance only to support Preventative Maintenance servicing activities. All TDS users are encouraged to read and understand the full [Conditions of Use](#) provided on the final page of this document and on the DPTI website.

For more information please contact the applicable Facilities Management Service Provider.



Government of South Australia
Department of Planning,
Transport and Infrastructure

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29	Record all results in log book and fill out the Radiation Survey Sheet.				Y	

Special Comments and Technical Data

D SERVICE ANNUAL
 ACTIVITIES MAY VARY DEPENDING ON MANUFACTURER AND SITE REQUIREMENTS.
 REPAIRS AND REPLACEMENTS TO BE COSTED SEPARATELY AND APPROVED BY THE CLIENT BEFORE PROCEEDING WITH THE WORKS.

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