

**Regulatory requirements to be fulfilled for import and installation
of a Baggage X-ray scanner/ Cabinet X-ray scanner**

Importation

In terms of section 47 (1) of the Sri Lanka Atomic Energy Act. No. 40 of 2014, approval of the Sri Lanka Atomic Energy Regulatory Council (Council) is required to import an X-ray machine. The import of a baggage X-ray scanner/ cabinet X-ray scanner is also included in the above requirements. Therefore, the following requirements will apply for granting approval for import of a baggage X-ray scanner/ cabinet X-ray scanner.

From J-3 and J-4 should be duly filled and submitted as per requirements given in Annex I-1 (Revision-1) available with the Council. This forms can be download from website: www.aerc.gov.lk .

Installation

1. Machine can be installed at any location. The plan of the installation area should be submitted along with the application: AERC-PLAN-02, for approval of the Council.
2. There should be at least 1 m length conveyer belts from both sides, the entrance and exit points of the lead flaps, to avoid direct contact with the person with the machine who feed the goods.
3. There should be a demarcation by physical means at least 1 m from both sides of the machine to avoid full occupancy except operator console (other two sides except entrance and exist points of goods) as shown in the Figure -1.
4. If multiple scanners are installed, minimum distance between two scanners should be 2 m.
5. **The radiation level at 10 cm distance from the surface of the machine shall not be more than 1 μ Sv/h.**

6. The image quality is an important specification of a baggage X-ray scanner/ cabinet X-ray scanner. The customer should be responsible for selection of a suitable machine with required resolution and image quality.

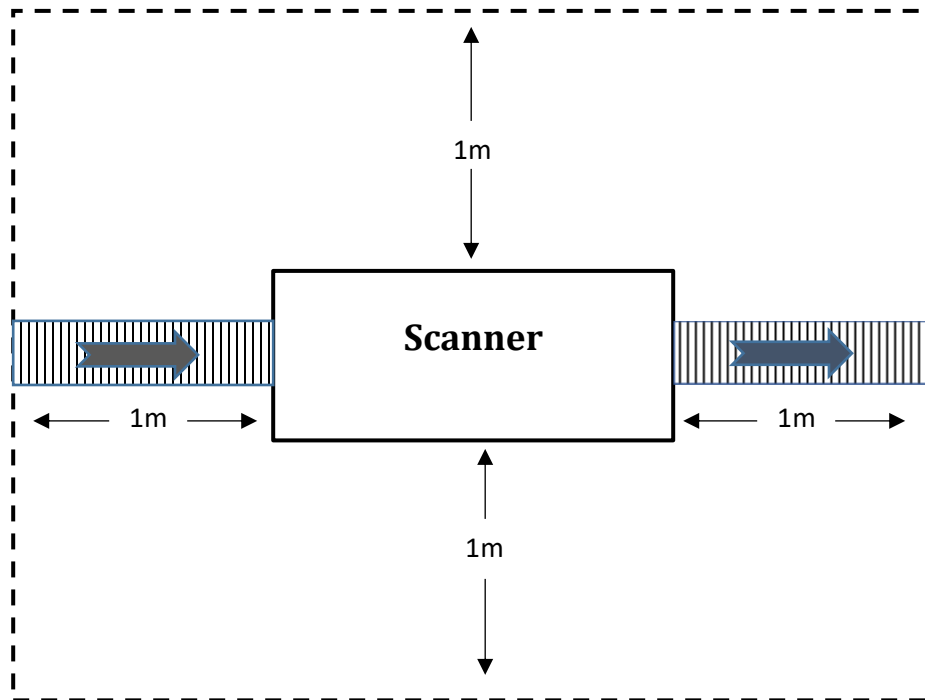


Figure-1

Licencing

The use of a baggage X-ray scanner/ cabinet X-ray scanner requires a licence from the Council. Therefore, the user should submit a licence application (Form No. IN-02-A) to obtain a licence. Following documents should be attached with the application.

- i. A copy of the plan approved by the Council
- ii. A copy of the import approval letter