

TERMS OF REFERENCE

1. Background of the Organization

Maldives Post Limited is a limited liability company formed in 1994 and is fully owned by the government of Maldives with a mandate of providing postal service across the country and abroad under Universal Postal Service Obligation (USO). Maldives Post is the national postal operator in the country with a network of more than 16 postal offices across the nation providing access to postal service in all the inhabited islands.

2. Mandatory Documents to submitted

- Company profile and registration certificate
- GST Registration Certificate
- Proposal quotation
- Authorized partner certificate
- Last 2 years financial statements
- Reference letters from previous project clients with relevant referees and contact details
- Parties who are submitting combined bids/proposals shall submit details of third party.
- Declaration on ethical conduct and fraud and corruption agreement
- MIRA tax clearance letter dated not longer than 3 months from date of bid submission

3. Bid Rejection

Submitting false information/ documents

- Bids that are unreasonably high in price compared to the cost estimate;
- Bidders who fail to submit any of mandatory documents
- Submission of low-quality proposals
- Bidders who fail to meet the requirement and technical specification of the equipment.
- Bidders who fail to submit declaration on ethical conduct and fraud and corruption agreement.

4. Project Scope

Scope of work and deliverables

4.1 Introduction

HI-SCAN 100100T-2 is an advancement of HI-SCAN 100100T, especially designed for screening oversized baggage and bulky freight reaching up 100x100 cm(39x39inc) in size.

The HI-SCAN 100100T-2 is equipped with two generators arranged in a 90 opposition thus beaming in two directions(dual view)This particular screening mode facilitates reliable inspections of tightly packed objects in one process while shortening inspection times and increasing the effectiveness of the procedure.

Its new innovative user concept makes it as easy to handle as the single beam system. Even with a second bam direction, this new system is compact and highly space –saving.

Due to the low installation height of the HI-SCAN 100100T conveyor belt, the connection of supplementary feed and discharge conveyor systems for heavy freight is simple. The HI-SCAN 100100T is especially suited to meet the needs and applications of airports, customer facilities and parcel services.

4.2 Objective

The primary objectives of this Scan machine are to have an ideal method of inspecting over size baggage and freight

5. BID Eligibility

All vendors are expected to meet the eligibility requirements specified under the ‘Eligibility’ include documentations required establishing eligibility of the goods and supplier.

6- Project timeline

Submit project plan and detailed time line to complete the project.

7. Warranty and Maintenance support

Standard warranty of 24 months must be provided

The proposer shall mention maximum support period for warranty support and maintenance

8. Evaluation and Comparison of Bids

The proposals will be reviewed and evaluated by the Bid committee of Maldives Post Limited intends to apply the following criteria in evaluating the proposals

Criteria	Weightage
Price	60%
Experience	20%
Delivery period	10%
Authorized Partner/distributor	10%

- **Price:**

Price quoted must be quoted in Maldivian Rufiya inclusive of all applicable taxes and any other fees.

- **Experience:**

We acknowledge reference letters which prove HI-SCAN 100100T2is had been supplied to the Maldives.

- **Delivery period:**

Machinery must be delivered before the latest due date.

- **Authorized Partner/distributor:**

Proposer shall have Authorized partner/distributor certificate.

9. Agreement between for the awarded BID and please find below for some of important points

- If the bidder discontinues the installation for any reason after winning the bid, the bidder shall bear full responsibility for the loss.
- Full compensation will be taken for delayed work days
- Some crucial points will be added to the agreement in addition to the previously mentioned points

Machinery Description

#	ITEM	QTY	DESCRIPTION
	01	01	HI-SCAN 100100T2is (Dual View System)
			Machine with 2 x 19" LED Color Monitor Included Options Test piece (As per ECAC Standards) Standard Feeder Roller 100 cm Standard Discharge Roller 100 cm Operator Console, iLOC (IOC-BST- (Basic Standards) One set of 3 trays. Service & Operator Manuals CD Installation and commissioning at customer site Operator training at customer site at customer site (max 10pax) Technical details / Software options: (Technical details and Software options, are on attached Technical Specification sheet

Technical Specifications HI-SCAN 100100T-2is

General specifications

Tunnel dimensions / max object size	1010 (W) x1010(H) {mm} /1000 (w) x1000 (H) {mm} 39.7" (W) x 39.7" (H) / 39.4" (W) x 39.4"(H)
Conveyor height	approx., 350mm / 13.8"
Conveyor speed at mains frequency 50/60Hz	approx.. 0.2 /0.24 {m/s}
Max.conveyor load (evenly distributed)	200kg /440lbs
Resolution (wire recognition) View 1	standard:36/37 AWG(0.13mm Cu);typical:38 AWG(0.1mm Cu)
Resolution (wire recognition) View 2	standard:38 AWG(0.13mm Cu);typical:39 AWG (0.1mm Cu)
Penetration (steel stepwedge) View 1	standard:31mm, typical :35 mm
Penetration (steel stepwedge) View 2	standard: 35mm, typical: 37 mm
X-Ray close / inspection (typical)	3.4uSv(0.34 mrem) with HI-MAT
Film safety	guaranteed even for high speed films up to ISO 1600 (33 DIN)
Duty cycle	100% no warm-up procedure required

X-Ray Generator

Cooling / housing	Hermetically sealed oil bath / single tank
Anode voltage	Max. 176 K cv operated at 160 Kv cp
Anode current (typical)	with HI-MAT:0.4 Ma, WITH x-act :0.6 mA
Beam divergence / beam direction	View 1:80° / diagonal from top bottom View 2:80° / diagonal from side

Image Generating System

X-ray converter test	L-shaped detector line with large scale monolithic amplifiers: conversion of X-radiation by means of scintillation crystals
Number of X-ray detectors	2 x2304 photo diodes (HI-MAT)
Digitalization (dynamic resolution)	A/D converter 14 bit

Technical Data HI-SCAN 100100T-2is

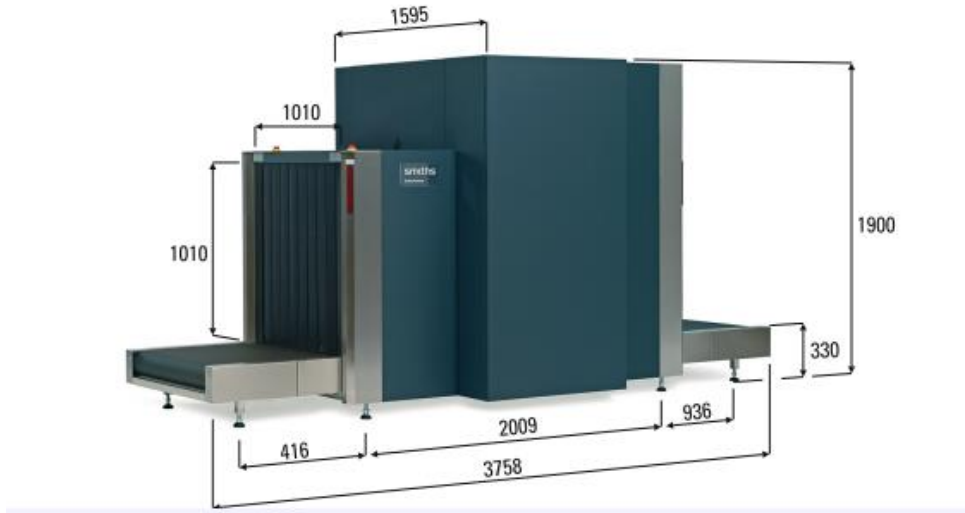
General Specification

Tunnel dimension	1010(W) x 1010 (H) (mm) 39.7" (W) x 39.7" (H)
Max. Object height	1000(W) x1000 (H) (mm) 39.4 (W) x39.4 (H)
Conveyor height	approx.350mm (13.7)
Conveyor speed adjustable with frequency converter	typical 0.2 (m/s)
Max.conveyor load even distributed over the whole conveyor	200kg (440lbs)
Resolution (wire detectability) typical:38AWG(0.1mm)	standard (view A):38AWG(0.13mm/0.11mm) STANDARD (view B):36/37AWG (0.13mm/0.11mm) typical 38AWG(0.1mm)
Penetration (steel)	Standard (view A):35mm typical (view A):37mm Standard (view B):31mm typical (view B):35 mm
X-ray dose/inspection (typical)	HI-MAT:3.4uSv(0.34mrem)
Film safety	guaranteed up to ISO1600(33DIN)
Duty cycle	100% no warm-up procedure required
X-ray Generator	
Anode voltage /cooling	160kVcp / hermetically sealed oil bath
Beam directions view A/view B	view A: diagonal from side/view B: diagonal from top to bottom

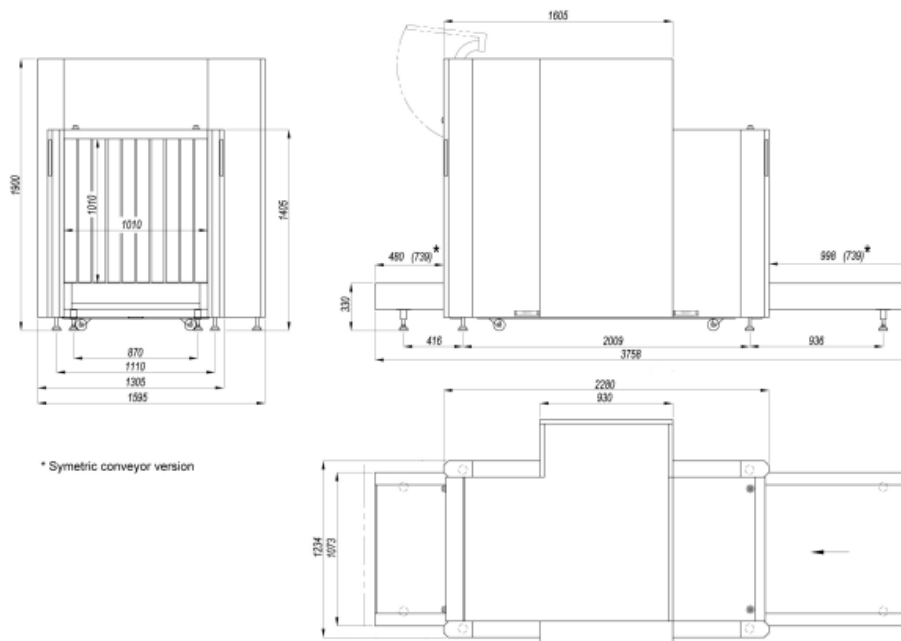
Image generating system	
X-ray converter	L-shaped detector line
Grey levels stored	4096
Image presentation	B/W, color
Digital video memory	1280 x1024/24 bit
Image evaluation functions	VARI-MAT,O,S, HIGH,REVIEW,LOW,NEG Electronic zoom, step less enlargement up to 64 times
Monitor	Flat Panel LCD Monitor
Additional Features	
Functions	Fading in of date/time, luggage counter, user id number, luggage marking system (acoustical, display of operating mode, REVIW-feature (to recall previously visible image a
Options	X ACT,HI-TIP,HI-SPOT,SEN,XPlore,IMS(Image store system- stores p to 100,000 images, Xport, media bay
	for
	RIDA (250 GB), CO/RW module
Installation Data	
X Ray Leakage	meets all applicable laws and regulation with respect to X-Ray emitting devices
CE-labelling	in compliance with directives 2004/108/EC 2006/42/EC 2006/95/EC
Sound pressure level	<70dB(A)
Operating/ storage temperature	0°-40°C /20°C-+60°C
Humidity	10%-90% (non- condensing)
Power supply	standard:230 VAC or 120 VAC+10% / - 15% *50Hz / 60
Hz#3Hz	
Power consumption	approx., 1.3 KVA
Protection class system / keyboard	IP 20 / IP 43
Dimensions * Weight	3758(L) x1595 (W)x1900 (H)*ca 1050kg 148.0* (L) x62.8* (W) x74.8* (H) * CA 2315 lbs
Mechanical construction	steel construction with steel panels, mounted on roller
castors	
	Standard color: RAIL 7076 (dark gray)

- 1-approx, values (adjustable)
2. Proprietary quality management test pieces: steel
Step wedge, CU wires, belt speed 0.2 m/s
3. Different values optional
4. without control desk, keyboard, monitors, etc
5. Measured at ambient temperature of 20° nominal voltage

HI-SCAN 100100T2is



Dimensions



* Symetric conveyor version

- ¹⁾ Approximate values (adjustable)
- ²⁾ Higher conveyor load on systems with frequency converter
- ³⁾ Steel stepwedge, copper wires
- ⁴⁾ Extended temperature range on request
- ⁵⁾ Different values optional
- ⁶⁾ Without control desk, keyboard, monitor(s), etc.
- ⁷⁾ measured at ambient temperature of 20° and nominal voltage