



**Silhouette Scan Mobile
CAB 2000**

SilhouetteScan Mobile CAB 2000

HEIMANN X-RAY INSPECTION SYSTEM
A SOLUTION FOR THE RECOGNITION OF ILLEGAL CONSIGNMENTS



Feature Highlights

- Mobile X-ray inspection system for the recognition of goods
- System setup / dismantling in less than one hour
- High throughput
- 24 Bit real time image processing
- Outstanding image quality with new HiTraX electronics
- Good penetration with low radiation dosage

Mobile CAB 2000 is an X-ray inspection system designed for the detection of illegal consignments inside trucks and sealed containers for customs applications.

Powerful penetration combined with low radiation dosage make the Mobile CAB 2000 an excellent mobile X-ray tool. The system consists of two parts: the operation module, based on a 20 ft. container platform, and the transport module, which is a standard road transport vehicle equipped with a swap body platform (Class C 745, EN 284). The system configuration allows a fast inspection procedure of the cargo without the need to open the container or truck.

The mobile concept of the system allows the integration into nearly every existing examination concept and infrastructure. System setup as well as dismantling takes less than one hour. Due to extremely limited down time the system supports especially short-term requirements coming up at various locations as part of the inspection strategy.

The system is based on the leading-edge HI-SCAN X-ray scanning technique already used in thousands of installations worldwide.

General Specifications

System layout	System consists of two parts: <ul style="list-style-type: none"> • Operation module, built on a 20ft. container platform • Transport module, 25t standard road transport vehicle equipped with a swap body (Class C 745)
Standard object size	2.6 (W) x 4.2 (H) x 20.0 (L) [m] • 98.4" (W) x 165.4" (H) x 787.4" (L) other object dimensions on request
X-ray dose / inspection	0.3 μ Sv (0.03 mrem) max. at a speed of approx. 2 m/sec
Film safety	guaranteed up to ISO 1600 (33 DIN)
Duty cycle	100 %, no warm-up procedure required

X-ray Generator

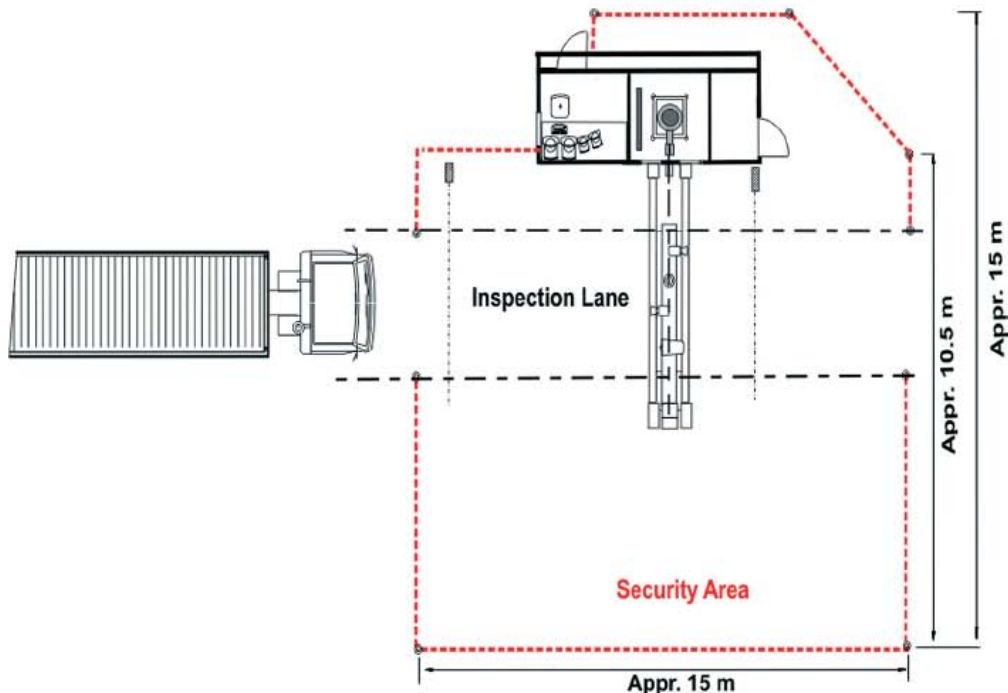
Energy	2500 keV (optional: 1900 keV) pulsed beam
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Image Generating System

X-ray converter	detector line (L-shaped)
Grey levels stored	4096
Image presentation	B/W, color
Digital video memory	1280 x 1024 / 24 bit
Image evaluation functions	HIGH, LOW, NEG, VARI-CAT, SEN, REVIEW-feature (to recall image areas no more visible) electronic zoom: enlargement 2-, 3-, 4- times IMS (image management system)
Monitor	19"-color monitor, emission meets MPR II and TCO 98 standards

Installation Data

X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices.
CE-labelling	in compliance with guidelines 98/37/EWG, 73/23/EWG, 89/336/EWG
Operating- / storage temperature	-10° - 40°C / -25°C - +60°C
Humidity	10% - 90% (non-condensing)
Power supply	400 VAC, three phases • 50 Hz / 60 Hz \pm 3 Hz integrated power generator, external power supply
Power consumption	approx. 16 kW
Safety equipment	CCTV monitoring system, lightbarriers





If you would like further Information about ELAMAN,
or would like to discuss a specific requirement or project, please contact us at:

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