





# Yamhill County Sheriff's Office

*Sheriff Tim Svenson*

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"Excellence in Service"

## MEMORANDUM

To: Yamhill County Board of Commissioners  
Laura Tschabold, County Administrator

From: Tim Svenson, Sheriff *Tim Svenson*

Date: February 1, 2018

Re: Body Scanner for Yamhill County Correctional Facility – Request for Funds

The Yamhill County Correctional Facility has experienced an increase in introduced contraband in our jail in recent years. While we have continually engaged in several different methods of prevention, including changes to housing and limiting contact between certain categories of inmates who are more apt to smuggle in restricted or prohibited substances, contraband continues to enter the facility undetected with harmful consequences. In the corrections industry, the last several years have seen an increase in the use of body scanners in facilities across the country to combat this issue. These scanners have the ability to provide corrections staff with a real-time digital x-ray images of any potential contraband that may be on or in a person being lodged. In addition, our Correctional Facility Grand Jury Review in both 2016 and 2017, required under Oregon Revised Statute 132.440, recommended the procurement of a body scanner for our facility. Due to the cost prohibitive nature of the equipment, we have not been able to meet this recommendation.

However, for the better part of the last year, I have been in discussions with a vendor that provides body scanners to the Transportation Safety Administration (TSA). At the same time, through my role within the Oregon State Sheriffs Association (OSSA), I have assisted in discussion state-wide on the need for this type of equipment in the larger county jails, including ours. The current market value of the body scanner best suited for this use is \$189,000. However, through these discussions, OSSA has been able to negotiate a price of \$135,000 – a savings of \$54,000 – with an additional \$40,000 for a five-year extended maintenance/warranty plan. I have been able to identify existing funds in the Sheriff's Jail budget in the sum of \$75,000 for the purchase of this critical equipment with the 5-year warranty, but am formally requesting allocation of one time funds in the amount of \$100,000 to assist in the purchase of a Smiths Detection B-Scan 16HRFB. Attached to this memo are a specifications flyer of the equipment and the quote for the above noted amount. It takes roughly 4 months for delivery, installation, and complete training on the equipment, so if we proceed now, we should have the equipment installed and staff trained by the end of this fiscal year; the Grand Jury Review generally occurs in July or August, so in addition to having this available as quickly as possible to reduce contraband, it would be preferable to have it in place before the 2018 Grand Jury Review.

Thank you for your consideration of this request.

enc: Smiths Detection B-Scan 16HRFB specifications sheet  
Command Sourcing, Inc. quote

cc: Becky Weaver, Finance Manager  
Jeremy Ruby, Acting Captain, Corrections Division  
Rich Geist, Incoming Captain, Corrections Division

B.O. 18-35

# B-SCAN™ 16HR-FB

Transmission X-Ray People Screening Technology



## Feature Highlights

- Detects objects concealed internally in or externally on the body.
- Contraband and threat detection including: weapons, explosives (plastic and powder), detonators, narcotics, electronic devices, diamonds, precious stones/metals and mobile phones.
- High throughput – scan time less than 7 seconds.
- Complete head to toe inspection in one short inspection cycle.
- State of the art image processing software and zoom functions facilitates efficient image evaluation
- Low dose rate <math><2.0\mu\text{Sv}</math>/inspection

B-SCAN™ uses transmission x-ray technology employing very low dose rates to screen people. This non-intrusive approach to people screening enables the detection of objects concealed internally in body cavities, on a person beneath clothing, or in artificial limbs.

The B-SCAN™ system is used to detect contraband and threat objects in applications including prisons, customs and border crossings.

The B-SCAN™ produces a high resolution head to toe whole body image of the person under review in a single pass.

This high resolution image and image enhancement tools allows the operator to accurately and quickly evaluate the image.

Using specially adapted image processing software B-SCAN™ provides security checks of unequalled quality.

B-SCAN™ uses state of the art safety systems to monitor the radiation generation and dose.

With over ten years of field experience B-SCAN™ is proven as a well engineered and reliable screening system.

## Function

<b>Material detected includes</b>	Metal, ceramic, plastics, powders, explosives, narcotics
<b>Detection capability</b>	Objects hidden internally and externally on the body
<b>Type of scan</b>	Full body scan in one inspection pass
<b>Primary function</b>	Screen people for contraband and threats
<b>Wire detectability</b>	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.10 mm)
<b>Technology</b>	Low dose transmission x-ray

## Operational Data

<b>Physical format</b>	Open tunnel - In line with checkpoint flow
<b>Start up time</b>	<2 minutes
<b>Belt speed</b>	Approx. 0.12 m/s
<b>Scan method</b>	Person moved through the beam
<b>Scan time</b>	< 7 Seconds
<b>Alarm resolution</b>	Single image review
<b>Conveyor load capacity</b>	>220kg (485 lb)

## Installation information

<b>Dimensions</b>	approx. 2585 [L] x 2525 [H] x 1955 [W][mm] (101.8" x 99.4" x 76.9")
<b>Weight</b>	820kg
<b>Humidity</b>	10% - 90% (non condensing)
<b>Storage temperature</b>	-20°C to 60°C
<b>Operating temperature</b>	0°C to 40°C
<b>Power consumption</b>	< 0,9 kVA
<b>Mechanical construction</b>	Metal body (aluminium, steel)
<b>Sound pressure</b>	< 70 dB [A]
<b>Power supply (standard)</b>	230 VAC / 120VAC +10% / -15% 50 Hz / 60 Hz

## Image generation

<b>Generator cooling</b>	Oil cooled, closed circuit
<b>Scan format</b>	Fan beam line scan
<b>Generator</b>	160kV cp, Hermetically sealed oil bath.
<b>X-ray converter</b>	High resolution semiconductor detector lines
<b>Dose per inspection</b>	< 2.0 µSv (<0.20 mRem)*
<b>Duty cycle</b>	100%

## Image presentation

<b>Result presentation</b>	Post scan still image - Full body image
<b>Grey levels stored</b>	65536
<b>Image display</b>	b/w
<b>Image evaluation functions</b>	zoom, various enhancement and filter functions
<b>Monitor</b>	special colour TFT monitor

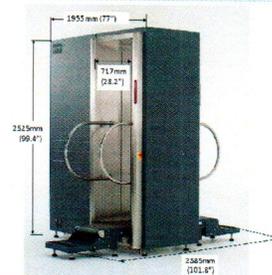
## Options / Features

- Scan and Image Management system (SIM). Configurations include:
  - Stand alone
  - Networked with central data and image storage
  - Connected to customer database
- Operator's table
- Side wall / side wall with window
- Can be configured with image store and load capability
- Programmable function keys
- Remote operator privacy solution
- Software for instantaneous offsite independent image assessment

Other B-SCAN™ models available with different dose per inspection

\* Measured in the centre of the tunnel

All applicable national regulations, requirements and approvals need to be considered and addressed by the customer  
All models of B-SCAN have been independently tested against the ANSI/HPS N43.17-2009 guideline



For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

Smiths Heimann GmbH, Im Herzen 4, 65205 Wiesbaden, Germany  
Modifications reserved. 95591163 27/10/2017 © Smiths Detection Group Ltd. - In some cases, the figures contain options  
B-SCAN is a trademark of Smiths Detection Group Ltd.

smiths detection



## Quotation

**Command Sourcing, Inc.**

6100 Horseshoe Bar Rd, STE A #228  
 Loomis, CA 95650  
 www.commandsourcing.com  
 sales@commandsourcing.co

QUOTE NO. 131181  
 DATE January 31, 2018

**BILL TO** Yamhill County Sheriff's Office  
 Attn: Accounts Payable  
 535 NE 5th Street, Rm 143  
 McMinnville, OR 97128

**SHIP TO** Yamhill County Sheriff's Office  
 Attn: Sheriff Tim Svenson  
 535 NE 5th Street, Rm 143  
 McMinnville, OR 97128

Customer ID #	PO #	Contact Person	Contact Person Phone:	Payment Terms	Quote Valid Until
		Maggie Leach	503-780-1867	Net 15	2/26/18

QTY	ITEM #	DESCRIPTION	UNIT PRICE	LINE TOTAL
1.00	16HRFB	<b>B-Scan - Full Body</b> - Dose Rate: <2.0µSv / scan or ~125 scans per year - Includes: Operator Keyboard and Manual. 12-month Standard Warranty	\$ 135,000.00	\$ 135,000.00
1.00	S&H	<b>Shipping, Install and Training at Each Location</b> - Training Includes: 2-hour Operator Orientation by Field Service Technician	Included	\$ -
1.00	SIM	<b>SIM Software</b> - SIM = Scan and Image Management ability to track (via barcode or ID number) the number of times individuals are screened against annual thresholds. The included SIM is a standalone system.	Included	\$ -
1.00	SEM	<b>Image Analysis Seminar**</b>	Included	\$ -
1.00	PROMO	<b>Operator Training Seminar**</b>	Included	\$ -
1.00	3YRWARR	<b>B-Scan On-Site Warranty with Preventive Maintenance -</b> Three years total (additional 2 year) ***OPTIONAL***	\$ 20,000.00	\$ -
1.00	5YRWARR	<b>B-Scan On-Site Warranty with Preventive Maintenance -</b> Three years total (additional 2 year) ***OPTIONAL***	\$ 40,000.00	\$ -
		**Includes: Training provided for all of Oregon through two sets of centrally located training sessions. These sessions will run over 2.5 days and will be conducted by a trainer on-site.		
			<b>Sales Tax:</b>	\$ -
<b>Comments or special instructions:</b> Extended Maintenance/Warranty is optional and would be an additional charge as listed on top of the \$135,000 based upon total number of years requested. \$155,000 for 3-year and \$175,000 for 5-year plan.			<b>Total:</b>	<b>\$ 135,000.00</b>

This is part of a bulk/volume purchase discount set up by OSSA and Command Sourcing and requires that we have at least 10 other participants. We can only get this pricing to you under those conditions.

- Additional and optional ongoing maintenance and extended warranty options available.
- Pricing requires bulk purchase with a minimum order of (10) units. No maximum limitations.
- Price inclusive of all services and packages and cannot be un/re-bundled.
- Commitment to order must be made within (30) days or this proposal to guarantee rates.
- Shipping is FOB Destination and lead-time is 16-18 weeks upon receipt of order.

4% service charge on payment by Credit Card. Return Policy: Command Sourcing must be notified prior to receipt of any returned items and a restocking fee may be assessed.