

BST Eltromat France · Impasse de la Noisette – CE402 · F-91374 Verrières Le Buisson cedex

ANAPRINT
Lots IS1.3 et 4
50000 Meknès
Marocco

Quotation no: AQ2505290 - 01

Date: 14/04/2025

Subject:
ANAPRINT_TS430_BOBST M5

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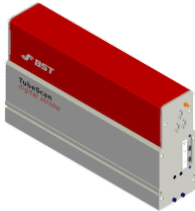
Contact-No.	ACU319976	BST Sales	
Contact		Contact	Tondu, David
Phone		Phone	+33 169 200741
Email		Email	David.Tondu@bst.group

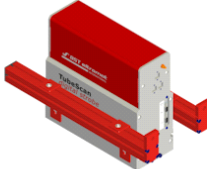
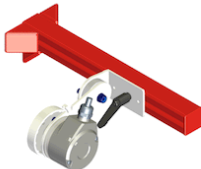
We thank you for your inquiry.

Offer according to the following application parameters:

Machine:	BOBST Flexo M5
Max. web width:	430 mm
Max. speed:	120 m/min

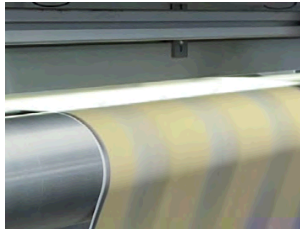
Item	Quantity	Description	Price
10	1	TubeScan Print Inspection System The TubeScan is designed as an optical quality assurance system to be used in high quality printing. The intelligent combination of imaging technology and the strobe principle allows a simple and reliable quality check during printing or finishing. The system consists of a modular designed, highly integrated PC system and a digital camera unit. High-level camera technology and advanced operating elements are used together with the latest microelectronics. TubeScan is available in the variants digital strobe, digital strobe XL and eagle view, which include the following functions:	22.574,30 € incl. 15% Discount
	1	TubeScan Digital Strobe 430 Web Viewing System for web width < 430 mm including: • TubeScan Image Capture System with digital camera • high power LED illumination • power supply 100V - 240V, 50/60Hz • friction wheel encoder with spring load bracket and cable • TubeScan Digital Strobe software • menu guided graphic GUI for intuitive touch operation	

Item	Quantity	Description	Price																						
		• automatic repeat synchronization by reference image • no additional print mark sensor required • 1 Touch monitor for operation • 1 Full HD monitor for high-speed web viewing • 1 Desktop PC with Intel CPU with Windows 10 (64 bit operating system)																							
		System:																							
1		Operating mode Fine Inspection (Digital Strobe++) Upgrade of a TubeScan web monitoring system to a TubeScan++ inspection system • detection of missing labels and fine print inspection for small defect sizes featuring: • job management • multi-zone processing (adjustable inspection sensitivity) • masking function • auto matrix detection • selectable 'averaging' mode • fine-text algorithm • inspection on up to 20 lanes with adjustable width • individual defect counter per lane • global repeat and defect counter • generation of binary defect output upon finding a defect (150 mA, 0 V low, +24 V high)																							
1		Power cord EU Power cord with plug type for EU.																							
1		UPS 230 V Uninterrupted Power Supply Protects the TubeScan against unexpected power loss and by this also against disordered shut-down. In the case of unexpected power loss, the TubeScan will be automatically shut-down in regular manner. Additional integrated overvoltage protection for the TubeScan electronic. Power infeed 230 V AC																							
		Camera unit 1:																							
1		Technical Information <table><tr><td>TubeScan:</td><td>DS 430</td></tr><tr><td>Camera width:</td><td>510 mm</td></tr><tr><td>Camera height:</td><td>290 mm</td></tr><tr><td>Inspection width:</td><td>430 mm</td></tr><tr><td>extended to:</td><td>without extension</td></tr><tr><td>Max. inspection speed:</td><td>180 m/min</td></tr><tr><td>Speed level:</td><td>Standard</td></tr><tr><td>Camera type:</td><td>4000 px option</td></tr><tr><td>System resolution:</td><td>0.1111 mm/px</td></tr><tr><td>Defect size in homogeneous areas:</td><td>0.05 mm²</td></tr><tr><td>Defect size in structured areas:</td><td>0.11 mm²</td></tr></table>	TubeScan:	DS 430	Camera width:	510 mm	Camera height:	290 mm	Inspection width:	430 mm	extended to:	without extension	Max. inspection speed:	180 m/min	Speed level:	Standard	Camera type:	4000 px option	System resolution:	0.1111 mm/px	Defect size in homogeneous areas:	0.05 mm²	Defect size in structured areas:	0.11 mm²	
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1		Camera type 4000 Camera option with higher resolution using 2 cameras																							

Item	Quantity	Description	Price
		(4000 Pixel)	
1		Roll Guided Backing Bar for TubeScan DS 430 & 470 Backing bar with rotating support rollers for sensitive materials including black / white acrylic contrast plate. Note: The material web may wrap around the rollers by max. 3°	
1		Cantilever Mounting Set Single-sided traverse for mounting the camera housing (Contents: 2 aluminum profiles with 1 wall mounting bracket each, 4 camera mounting brackets)	
1		Measuring Wheel Cantilever Mounting Set Single-sided traverse for mounting the encoder (Contents: 1 aluminum profile with wall mounting bracket)	
User interface:			
1		Operator Monitor 22" Multitouch monitor for intuitive operation	
1		Extension Cable Set 5 m Extension of the video, touch and power supply cables to a total of 5 m consisting of: • 2 x 5 m HDMI cable to the operating and viewing monitor • 1 x 3 m USB cable to the operating monitor • 2 x 3 m extension power supply cable to the operating and viewing monitor • 1 x 3 m extension cable DC jack for the power supply of the TubeScan	
1		View monitor 32" Parallel display of the live image and found defects on an additional viewing monitor	
1		Alarm Set External signal status unit with a green "Inspection active" LED and a red "Defect" LED, which is activated when the tolerance values of the respective inspection modules are exceeded. • ABS housing (IP54) • Width 70 mm x height 150 mm with magnetic base • including 2 m connection cable	
Functions:			
1		Print Report Manager Pro Creates an error log of all detected errors including error images and inspection settings.	

Item	Quantity	Description	Price
		- defect images including position within the roll - reference image - changes of inspection settings with time stamp - sensitivities settings - inspection ON or OFF - new reference images taken - results of additional inspection functions - Barcode validation - Distance monitoring - DeltaE monitoring - creation of a PDF roll report - output via printer possible <u>Note:</u> This software feature requires at least software version 8.0.	
1		Dynamic Roll Map - stores all defects including images per lane - dynamic refresh during inspection - graphical display with zoom function over the entire roll	
		Documentation / Manual:	
1		Document type CD and User Manual User manual including assembly and maintenance instructions on CD-ROM and in printed edition. You can also find all documentation in other languages as well as additional information at https://bst.help/s/tubescan .	
1		1st Language English	
		Current lead time 5-7 weeks Subject to technical clarification Warranty period 12 months The warranty period is regulated in our general terms and conditions. The warranty period begins with the delivery of the product (passing of risk), not after commissioning.	
		Total	22.574,30 € incl. 15% Discount excl. options

Option 1 not included in the total price

Item	Quantity	Description	Price
10.3.2	1	Backlight Illumination for TubeScan DS 430 & 470 Switchable illumination option for hole detection on opaque, shadow elimination on transparent materials, contrast enhancement for translucent multilayer applications (RFID, Labels) or backside print register monitoring.	
		Note: The backlight cannot be ordered as a 	

Item	Quantity	Description	Price
		single retrofit or spare part, it always requires in addition an order of the Adjustable backing bar or Roll guided backing bar in which it will be mounted.	
Total - Option 1			1.495,15 € incl. 15% Discount

Option 2 not included in the total price

Item	Quantity	Description	Price
10.5.3	1	Distance Monitoring Define sets of anchor points within a repeat and monitor the longitudinal and lateral geometric distance per set. • define single anchor points and monitor the distance between consecutive repeats • store all measurements in a standard CSV file (together with repeat number and actual machine speed) for quality reporting • show a x/y diagram of measurements in PDF report via optional Print Report Manager • create an alarm signal when desired tolerance values are exceeded	
10.5.4	1	PDF Validation This feature allows to compare the actual reference image with a PDF image. The operator can select one or multiple PDF images and display them on top of the actual printed image in a semi-transparent way. The automatic defect detection algorithm shows instantly deviations either as difference image or highlighted with a color. This enables the operator to validate very easily the conformity of the printed image with the PDF reference. The validated PDF will be stored automatically with the job. It can also be retrofitted to an existing system.	
10.5.5	1	CERM Standard Communication Interface Secondary License License for additional TubeScan Systems in a site already equipped with a CERM Standard communication interface (Primary License). Bidirectional communication interface between CERM MIS and TubeScan with standard functionality for static job data transfer. Dedicated software module from CERM is required in addition to provide data from their system to the TubeScan.	
Total - Option 2			8.840,00 € incl. 15% Discount

Commissioning:

The mentioned total price does not include installation and start-up on site. These services can be offered upon request.

Delivery conditions:

CPT Carriage Paid To (Incoterms 2020)

Exclusive freight and packaging

Terms of payment:

(individual payment conditions)

40% acompte à la commande, 40% à la notification de l'expédition, solde après la mise en service au plus tard 90 jours après l'expédition

This quotation expires on:

14/07/2025

Our deliveries and services are based on our general Terms and Conditions.

In particular we refer to the reservation of property in all its forms.

Our general Terms and Conditions are available on our homepage

<https://www.bst.elexis.group/en/global/general-terms-and-conditions>.

Attention: Deliveries from these goods/products, software, technologies into other countries (e.g. embargo affected countries) or other receivers can be subject to authorization or can be prohibited. We refer to the current Embargo restriction of the European Union.

Info: Germany: www.bafa.de

The Customer warrants that the supplied goods will not be (re-)exported to or for the use in Russia or Belarus. If the Customer (re-)exports the supplied goods to or for the use in Russia or Belarus, the Seller has the right to terminate the contract with immediate effect and will notify the competent authorities of the respective breach.

Kind regards

BST eltromat France



14/04/2025 10:22

Signature

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