

Pierre Bourquin Communications
Rue André Huet 4-6
CS40041
51 721 Reims cedex
France



ORDER ACKNOWLEDGEMENT ASO095899

Date: 23.05.2023

Page: 1 of 11

Customer-No.	ACU231838	BST Sales	BST Processing
Contact	Sébastien Berthelot	Order No.	ASO095899
Order No.	signed quotation AQ0018350 R3	Contact	Tondu, David
		Reference	AQ0018350/AQ018354.1
		Project	WA0022452
			Contact Koch, Sonja
			Phone/Fax -716 / -999
			sonja.koch@bst.group

We thank you for your order.

The indicated delivery date shall apply subject to timely technical detailing of the purchased goods, provided that no changes and/or delays result from any technical inspection as well as any necessary approvals on the part of the purchaser. In the event of a change affecting the indicated delivery date, you will receive a new order confirmation with a new delivery date.

Pos.	Planned Dispatch Date EXW	Art.-No. / Description	Quantity	Unit	Price EUR	Discount	Amount in EUR
10	21.06.23	ASO0958994MONI000200 PROView System / WA0022452	1,0000	PCS	37.921,00	4546,73	33.374,27

PROView

consisting of:

System - Controller : Selected
Power cable country/length : EU 1,8 m

Camera unit 1
Camera type : L (FOV 220 x 168 mm)
UV strobe : Without
Lacquer strobe : Without
Cable set : 15 m

Camera traverse size : 1

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Pos.	Delivery Date	Art.-No. / Description	Quantity	Unit	Price EUR	Amount In EUR
		Mounting width	:	950 mm		
		Mounting size	:	900 mm		
		Mounting style	:	Dual mount		
		Traverse adapter	:	Without		
		Back strobe	:	Selected		
		Cable set	:	15 m		
		Back strobe traverse size	:	1		
		Mounting width	:	950 mm		
		Mounting size	:	900 mm		
		Mounting style	:	Dual mount		
		Camera unit 2				
		Camera type	:	L (FOV 220 x 168 mm)		
		UV strobe	:	Without		
		Lacquer strobe	:	Without		
		Cable set	:	15 m		
		Camera traverse size	:	1		
		Mounting width	:	950 mm		
		Mounting size	:	900 mm		
		Mounting style	:	Dual mount		
		Traverse adapter	:	Without		
		UserInterface 1				
		Monitor	:	Multitouch monitor desktop 22"		
		Cable set	:	1.8 m		
		Synchronization				
		Signal encoder				
		Sensor	:	Machine Interface		
		Cable set	:	15 m		
		Bracket	:	Without		
		Engineering				
		Project Engineering	:	Selected		
		Documentation				
		Type	:	CD + Operating Manual		
		Language (ISO-Code)	:	Multilanguage		
		Quantity	:	1		
		Warranty period	:	12 Months		
		-----	-			
		Technical key data	-			
		-----	-			
		Camera	:	High resolution CMOS Sensor		

Deutsche Bank Siegen:

BIC DEUTDE33HAN

IBAN DE 72 4607 0090 0505 1651 00

Volksbank Hohenlimburg:

BIC GENODEM33HAN

IBAN DE 95 4506 1524 4031 3108 00

AMTSG: Bielefeld HRB Nr. 30830

USt. Id. Nr. DE 811 122 306

Steuer-Nr.: 342/5858/2419

Geschäftsführer: Alexander Heck (Vors.), Ingo Koesfeld



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Pos.	Delivery Date	Art.-No. / Description	Quantity	Unit	Price EUR	Amount In EUR
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Image section : Camera S
min. 12.5 mm x 9.4 mm
max. 125 mm x 94 mm
Camera L
min. 13.75 mm x 10.3 mm
max. 225 mm x 169 mm

Zoom factor : Camera S
10 x
Camera L
16 x

Web speed max. : 1.000 m/min

Camera dimension : Camera S
141 x 228 x 386 mm (WxHxD)
Camera L
250 x 400 x 550 mm (WxHxD)

Controller dimension : 350 x 80 x 215 mm (WxHxD)

Power supply : 100-240 VAC +/- 10%, 50...60 Hz
120 VDC / ~ 3,6 A
230 VDC / ~ 1,6 A

Cable length max. : Camera 30 m
Back strobe 30 m
Monitor 50 m
Trigger Input 40 resp. 50 m

Customs tariff number 90314990
Country of origin DE

20	21.06.23	ASO0958995SYKA981421 AR 4400 System / WA0022452	1,0000	PCS	55.137,00	6614,27	48.522,73
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BST AR 4400 / WA0022452
Register Control System

For the following technical data :

For machine type: Edelman
New machine / Retrofit: eltromat WA14977
Max. machine speed: 400 m/min
Number of offset printing units: 10
Turning bars: 5
Material: Paper

consisting of:

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System

AR 4400 base system 1

- AR 4400 Controller (Industrial PC configured for AR 4400)
- AR 4400 real time control system
- mounting plate for the assembly of the electrical AR 4400 components
- power supply 24 V DC, 30 W
- power terminal 100 - 230 V
- Ethernet switch
- set of cable (Ethernet, CAN, power supply cable)
- maintenance keyboard with touchpad

Remote service module 1

for remote service and maintenance via Ethernet

- enables remote diagnostics and maintenance by TeamViewer

Notes:

A corresponding Internet access is provided by customer.

Depending on your maintenance contract extra costs may arise when making use of the remote service after warranty period has expired.

Additional information can be found in our service conditions.

AR 4400 operation unit 1

- mounted at press operation console
- consisting of:
- * Touch screen monitor 23"
- Full HD resolution
- high quality IPS Display
- * Monitor arm, 4 times adjustable
- including VESA support
- * Extension cable set for touch screen monitor, length: 5 m

Sensors

Sensing and control device "Color Register Control Front" 1

Camera based measure and calculation unit for the detection and control of micro dot register marks.

- Mounted after a group of printing units for scanning the front side of

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Pos.	Delivery Date	Art.-No. / Description	Quantity	Unit	Price EUR	Amount In EUR
		the web. - Measurement method: web-web - consisting of: * AR 4400 Camera Unit - RGB color camera with DSP picture processing. - adjustable Xenon dual stroboscope flash - intelligent communication and synchronization module - connection cable, length: 3 m or 5 m * Junction Unit - for the electrical integration of the Camera Unit * Connection cable set for Junction Unit - Ethernet, CAN, Synchronization Power - length according to location of the system components at the press * Camera Unit mounting set - for the mechanical integration of the Camera Unit to the machine - consisting of: * mounting traverse, incl. mounting brackets				
		Sensing and control device "Color Register Control Back" Camera based measure and calculation unit for the detection and control of micro dot register marks. - Mounted after a group of printing units for scanning the back side of the web. - Measurement method: web-web - consisting of: * AR 4400 Camera Unit - RGB color camera with DSP picture processing. - adjustable Xenon dual stroboscope flash - intelligent communication and synchronization module - connection cable, length: 3 m or 5 m * Junction Unit - for the electrical integration	1			

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Pos.	Delivery Date	Art.-No. / Description	Quantity	Unit	Price EUR	Amount In EUR
		of the Camera Unit * Connection cable set for Junction Unit - Ethernet, CAN, Synchronization Power - length according to location of the system components at the press * Camera Unit mounting set - for the mechanical integration of the Camera Unit to the machine - consisting of: * mounting traverse, incl. mounting brackets				
		Sensing and control device "Print to Processing Register Control" Camera based measure and calculation unit for the detection and control of micro dot register marks. - Mounted close-by the processing- or printing cylinder to measure the dot register marks referring to the cylinder encoder position. - Measurement method: web-cylinder - consisting of: * AR 4400 Camera Unit - RGB color camera with DSP picture processing. - adjustable Xenon dual stroboscope flash - intelligent communication and synchronization module - connection cable, length: 3 m or 5 m * Junction Unit - for the electrical integration of the Camera Unit * Connection cable set for Junction Unit - Ethernet, CAN, Synchronization Power - length according to location of the system components at the press * Camera Unit mounting set - for the mechanical integration of the Camera Unit to the machine - consisting of: * mounting traverse,	1			

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		incl. mounting brackets				
		Backstrobes				
		Backstroke Unit - adjustable for web-web 1				
		FtBR control				
		Required for the feature Front-to-Back				
		Register Control based on the measuring				
		method "web-web" via adjustable				
		transmitted light.				
		- Mounted below the web "face to face"				
		to a sensing head in order to read the				
		register marks of the front web side				
		and back web side (key color) in one				
		image.				
		- The brightness of the backstroke is				
		adjustable at the AR 4400 touch				
		monitor.				
		- Preferred substrate: Paper up to				
		200 g/sqm				
		- consisting of				
		* Backstroke Unit, adjustable				
		* Connection cable				
		* Backstroke mounting traverse,				
		incl. mounting brackets				
		Synchronization				
		Encoder and synchronization module for 1				
		color or processing register				
		For evaluation and distribution of the				
		encoder pulses.				
		- Z = format pulse, 1 pulse per				
		revolution (1 ppr)				
		- A = fine pulse, resolution variable,				
		default 4096 ppr				
		- consisting of:				
		* Encoder unit, 4096 pulses *)				
		* Synchronization board / signal				
		converter 5 - 24 V to RS422,				
		input and outputs opto-decoupled				
		*) A suitable shaft rotating in ratio				
		1:1 to printing- / processing format				
		must be available or provided by the				
		customer.				
		Motor Control				
		Registermotor Interface Base Module - 1				
		digital I/O				

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Pos.	Delivery Date	Art.-No. / Description	Quantity	Unit	Price EUR	Amount In EUR
		- Base PLC system - integrated in press control cabinet or alternative in AR 4400 cabinet - consisting of: * Wago I/O controller * Wago end module * Wago 24 V DC quattro input module				
		Output module 24 V DC For the control of register motors in long- and side direction.	11			
		- per printing unit is one module required - consisting of: * 1 Wago 24 V DC quattro output module				
		Control and Software Modules				
		Control module - Front-to-Back Register (FtBR)	1			
		Software module for evaluation of the register positions between front- and back web side.				
		- Calculation of the FtBR deviation in X- and Y-direction. - Closed Loop FtBR Control: The "Slave" (usually back side) follows the "Master" (usually front side). - Block Register: All printing units assigned to "Slave" are moving synchronously.				
		Documentation and Engineering				
		Technical documentation on CD	1			
		- supplied on CD ROM - consisting of: * operating manual in all available languages * electrical wiring diagram * mechanical drawings				
		Project engineering	1			
		- Identification of application-specific information. - Creation of application specific documentation. Additional travelling costs will be charged according to arising expenses.				

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Pos.	Delivery Date	Art.-No. / Description	Quantity	Unit	Price EUR	Amount In EUR
		Electrical cabinet - 600 mm to house the AR 4400 base system - hight: 800 mm, width: 600 mm depth: 400 mm - The touch screen monitor will be mounted at the press operating desk.	1			
		Warranty: 12 months Customs tariff number 90328900 Country of origin DE				
30	21.06.23	2SVGN079010 pre project visit	1,0000	PCS	4.428,00	4.428,00
		Technical clarification and Service				
		Technical clarification on site including travel time and travel related expenses within Central Europe - 1 BST engineer 1 day on site - Clarification of the electrical interface - Detailed clarification of mechanical integration	1			
40	21.06.23	2SVGN079032 Supervised installation incl. travelling	1,0000	PCS	10.075,00	10.075,00
		Fixed price supervised installation, commissioning and training including travel time and travel related expenses	1			
		2.0 days for supervised installation 1.0 days for set-up of system 0.5 days for optimization during production and production stand-by 1.0 days for training of operators and maintenance personnel				
		in total a period of 4.5 man-day(s) (max. 10 hours each) at site. Also included in the price are the costs for the single travel time to and from the site as well as the hotel and travel costs and daily expenses. Service calls will take place on weekdays (Monday - Saturday; except Sunday and bank holidays and / or night shift).				

Deutsche Bank Siegen:

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The proposed duration assumes that the necessary personnel (mechanical and electrical) are made available by the customer for the physical installation and that the necessary space for the installation of the system is prepared at the machine. Furthermore, it is necessary that supporting tools (e.g. lifting devices) incl. necessary operators are available on site for the installation of the BST components. Moreover, it is required that the necessary cable trays are installed and the machine is ready to print incl. the necessary material to print on. Any additional costs which have not been caused by BST (for example waiting times due to a machine unavailable for the BST activities) will be invoiced according to the actual costs incurred based on our current service rates. The supply of electrical and mechanical installation parts necessary for the installation is not included in the range of supply and delivery for the installation and commissioning. BST part no. 2SVGN079032						
50	21.06.23	2SVGN079032 Supervised installation incl. travelling	1,0000	PCS	4.500,00	4.500,00
Service for video (by BST France) : Supervised installation, 1 Start up and set up Customer instruction 3 days including all expenses						
60	21.06.23	FR00 Frachtkosten / Freight	1,0000	PCS	300,00	300,00
70	21.06.23	VP00 Verpackungskosten / Packaging	1,0000	PCS	300,00	300,00
<u>Invoicing Schedule</u> 30% upon the order 30.450,00 60% before delivery date 60.900,00						

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Pos.	Delivery Date	Art.-No. / Description	Quantity	Unit	Price EUR	Amount In EUR
		10% 30days net after delivery				10.150,00
		Goods				81.897,00
		Costs				15.175,00
		Service				4.428,00
		Total				101.500,00
Delivery		CPT Incoterms 2020, excl. packing and freight				

Estimated freight costs under reserve of possible arising surcharges due to the currently strongly fluctuating oil price and lack of flights.

Terms of Payment 30 days invoice date, net

Ship to Pierre Bourquin Communications
Rue Gutenberg 10
51 100 Reims
France

**NOTE:**

Our deliveries and services are based on our general sales conditions.

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

Our general sales conditions can be

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

BST GmbH


24.05.2023 08:21
23.05.2023 10:06

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