BIXOLON
MANUFACTURING

GAME CHANGER

MANUFACTURING
SOLUTIONS

The increasingly intelligent world of manufacturing will become even more connected. Operational and information technologies will converge. Predictive maintenance solutions will increase. Resource planning will be streamlined further and assistive AR and VR technologies will see greater alliance between operator and machine.

At the heart of this is the Internet of Things and the Cloud. Smarter devices, sensors and real-time analytics to reduce downtime, aid and simplify inspections, plus streamline resource and manufacturing processes leading to leaner, agile manufacturing supply-chain that are both secure and accurate.

The data-centric operations in Manufacturing are evolving to a service-based model that is allowing Manufacturing to be smarter and more efficient.

Smart devices are providing real-time metrics and data that can be aggregated to provide analysis and insights into day-to-day operations. Downtimes can be predicted and lessened, schedules improved, output increased and costs cut.

Barcoding and RFID encoding instances are being used to augment Blockchain records to ensure processes are correct from beginning to end with this associated imaging equipment providing intelligence to the overall manufacturing optimisation.

WAREHOUSE

Vehicle, forklift or cart-based, BIXOLON offers fixed or mobile printers to deliver all your labelling needs with mobile printer with proven cold weather operation for your ambient and cold storage, or standalone solutions to have labelling at the point of application and dispatch.
Should your network be congested, then BIXOLON offer secure dual-band WLAN, so you can safety handle data and place printing where needed with mobile and fixed printers up to 600dpi resolution.
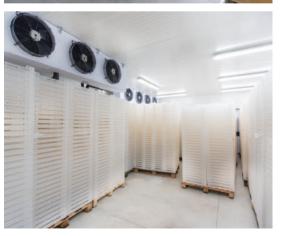
Receiving / Shipping

• Printing labels for goods at the point of receipt
• Reducing walk times and errors by labelling at the point of dispatch
• Easy control and management of printers and label designs from wireless handheld and tablet devices
• Print labels whenever and wherever on demand to streamline ship to order operations

Inventory & Material Management

• Regular, mini and micro labelling to streamline inventory of any size
• Mission-critical labelling in harsh environments with durable thermal labels to 600dpis
• Direct or standalone labelling, fixed or mobile printers to provide labelling at the point of application and use
• Solutions to extend operational visibility and minimise downtime

Cold Chain Management

• Durable thermal transfer label issuance for perishable food stuff or pharmacy items
• Increased productivity with printers designed for cold conditions
• Reduced errors and walk time by applying labels at the point of use
• Bringing high-quality printing into the harsh work environment

FIELD OPERATIONS

Automating your field force means greater mobility with devices that can withstand the day-to-day rigours and still provide the expected quality labelling to manage and maintain your assets.
BIXOLON's known and respected Mobile portfolio offer IP-rated, ruggedised printers to handle your printing requirements and thanks to their wired or wireless connectivity options the data can be sent from various OS devices, plus media capacity and battery life ensures a long working day.

Proof of Pickup & Delivery

• Generate up to 40% more labels per roll and zero waste with linerless printing solutions
• Create immediate and accurate delivery notes or invoices anywhere on the road
• Easily provide new documents for unforeseen changes of delivery information
• Minimize downtime and delays for frequent repair services caused by accidental drops
• Streamline the order-to-cash process to increase profitability

Shipping

• Print labels whenever and wherever on demand to streamline ship to order operations
• Reduce setup and installation process using intuitive, user-friendly features
• Create labels in various template through BIXOLON's custom label design program
• Improve efficiency by printing return shipping labels on a courier truck

PLANT OPERATIONS

BIXOLON's breadth of mobile and fixed printers offer robust, durable direct thermal and thermal transfer labels, including UHF RFID encoding.
Capable of integrating into an existing network and handling leading command languages, the printers benefit from BIXOLON's own XPM device management software ensuring optimum performance and accurate labelling each and every time.

Asset & Facility Management

• Increase visibility of asset by centralizing serial numbers, parts numbers
• Augment existing system with label printers that are highly compatible with market-leading programming languages
• Cost-effective printing solutions to easily create and manage label designs
• Simplify setup and installation process of printers using intuitive, user-friendly features

Inventory & Material Management

• Regular, mini and micro labelling to streamline inventory of any size
• Mission-critical labelling in harsh environments with durable thermal labels to 600dpi
• Direct or standalone labelling, fixed or mobile printers to provide labelling at the point of application and use
• Solutions to extend operational visibility and minimise downtime

Quality Assurance

• Prevent process delays and production line shutdowns that result from printer failures
• Fulfil compliance accuracy with quality, robust labels
• Streamline quality control processes through consistent label quality
• Establish a simple wireless network with SoftAP mode and Smart Connection™ Technology

XT Series

4-inch Industrial Label Printer

· Direct Thermal and Thermal Transfer label printing
· 203, 300 or 600 dpi(XT5-40 only) print resolution options
· Printing at speeds of up to 14 ips (356 mm/sec - XT5-40)
· 3.5-inch(XT5-40), 2.4-inch (XT2-40) TFT colour LCD
· Optional 4.3-inch full colour touch LCD (XT5-40N)
· Various options: Auto Cutter, Peeler, Rewinder,
                   Rewinder + Peeler
· Print out a label via the stand-alone function (XT5-40 only)
· Side loading Ribbon and Media

XT2-40   XT5-40N

XT5-40NR

4-inch RFID Industrial Label Printer

RFID

· Direct Thermal and Thermal Transfer label printing
· 203, 300 or 600 dpi print resolution options
· UHF RFID print and encode capability
· Extremely close-spaced RFID inlay encoding support (minimum pitch of 0.6 inch
  / 16 mm)
· RFID auto-calibration simply reads the RFID tag location
· Printing at speeds of up to 14 ips (356 mm/sec - XT5-40)
· 4.3-inch full colour touch LCD
· Various options: Auto Cutter, Peeler, Rewinder, Rewinder + Peeler

XL5-40

4-inch Linerless Desktop Label Printer

· Direct Thermal Linerless label printer
· Fast linerless Printing at speeds of up to 6 ips (152 mm/sec)
· Equipped with Anti-jamming, Anti-curling and long-lasting
  two-platen rollers
· Extreme reliability guaranteed in the harshest of
  environments. Supports BIXOLON's media supply,
  B-linerless™, and other BIXOLON certified media

XD Series

XD5-40t   XD5-40d

4-inch Desktop Label Printer

· Direct Thermal and Thermal Transfer options
· Mid-tier (XD5 series) and Entry level (XD3 series)
· Printing at speeds of up to 7 ips (178 mm/sec - XD5-40d)
· Compact clamshell design with intuitive menu buttons
  and optional LCD
· Suitable for both ½-inch and 1-inch core ribbon
  (74 m and 300m)

XD3-40t   XD3-40d

XD5-40tR / SLP-TX400

4-inch RFID Desktop Label Printer

RFID

· Direct Thermal and Thermal Transfer label printing
· Printing at speeds of up to 7 ips (178 mm/sec - SLP-TX400R)
  6 ips (152 mm/sec - XD5-40tR)
· UHF RFID print and encode capability
· Extremely close-spaced RFID inlay encoding support
  (minimum pitch of 0.6 inch / 16 mm)
· RFID auto-calibration simply reads the RFID tag location

XD5-40tR   SLP-TX400

SLP-TX420 / SLP-TX400
SLP-DX420

SLP-TX400

4-inch Desktop Label Printer

· Direct Thermal (DX420) and Thermal Transfer (TX420,
  TX400) options
· Printing at speeds of up to 7 ips (178 mm/sec)
· 203 dpi and 300 dpi options
· Field-installable Peeler and Auto Cutter

SLP-DX420   SLP-TX420

SLP-TX220 / SLP-DX220

2-inch Desktop Label Printer

· Direct Thermal (DX220) and Thermal Transfer (TX220) options
· Printing at speeds of up to 6 ips (152 mm/sec)
· 203 dpi and 300dpi options
· Field-installable Peeler and Auto Cutter

SLP-DX220   SLP-TX220

SLP-DL410 Series

4-inch Desktop Label Printer

· Direct Thermal
· Supporting a wide range of media types such as fan-fold or large labelling
· Compact and space-saving design
· Printing at speeds of up to 5 ips (127 mm/sec)
· SLP-DL410KV supports a built-in converter (from DC12V to DC24V) and cigar jack power cable

XM7-40 / SPP-L410

4-inch Mobile Label Printer

· Liner and Linerless label printing
· Printing at speeds of up to 5 ips (127 mm/sec - XM7-40), 4 ips (102 mm/sec - SPP-L410)
· 1.8 m / 6 ft. drop rate and IP54 water and dust proof
· Easy to set up colour LCD (XM7-40 only)
· Embedded Peeler and Paper Guide (XM7-40 only)
· 6,800 mAH (XM7-40), 2,850 mAH (SPP-L410) high battery capacity for all-day use
· Supporting up to 66 mm (XM7-40), 56 mm (SPP-L410) media roll diameter

XM7-40   SPP-L410

SPP-L3000 / SPP-L310

3-inch Mobile Label Printer

· Label and Linerless label printing
· Printing at speeds of up to 5 ips (127 mm/sec)
· 2.1 m / 7 ft. drop rate and IP54 water and dust proof
· Easy to set up mono LCD (SPP-L3000 only)
· Embedded Peeler and Paper Guide (SPP-L3000 only)
· 2,850 mAH battery capacity
· Up to 66 mm (SPP-L3000), 49 mm (SPP-L310) media roll diameter supported

SPP-L3000   SPP-L310

SPP-R410

4-inch Mobile Receipt Printer

· Receipt and Linerless label printing
· Printing at speeds of up to 90 mm/sec
· 1.8 m / 6 ft. drop rate and IP54 water and dust proof
· 2,600 mAH battery capacity
· Easy Bluetooth pairing via NFC
· Supporting up to 57 mm media roll diameter

SPP-R310

3-inch Mobile Receipt Printer

· Receipt and Linerless label printing
· Printing at speeds of up to 100 mm/sec
· 1.8 m / 6 ft. drop rate and IP54 water and dust proof
· 2,600 mAH battery capacity
· Easy Bluetooth pairing via NFC
· Supporting up to 50 mm media roll diameter

B-LINERLESS™

Linerless Media

- B-linerless™ has two different types of adhesive strengths including B-linerless Permanent and B-linerless Restick
- Enhancing employees productivity by eliminating peel-off time and disposal of backing liner
- Cutting storage and transportation expenses
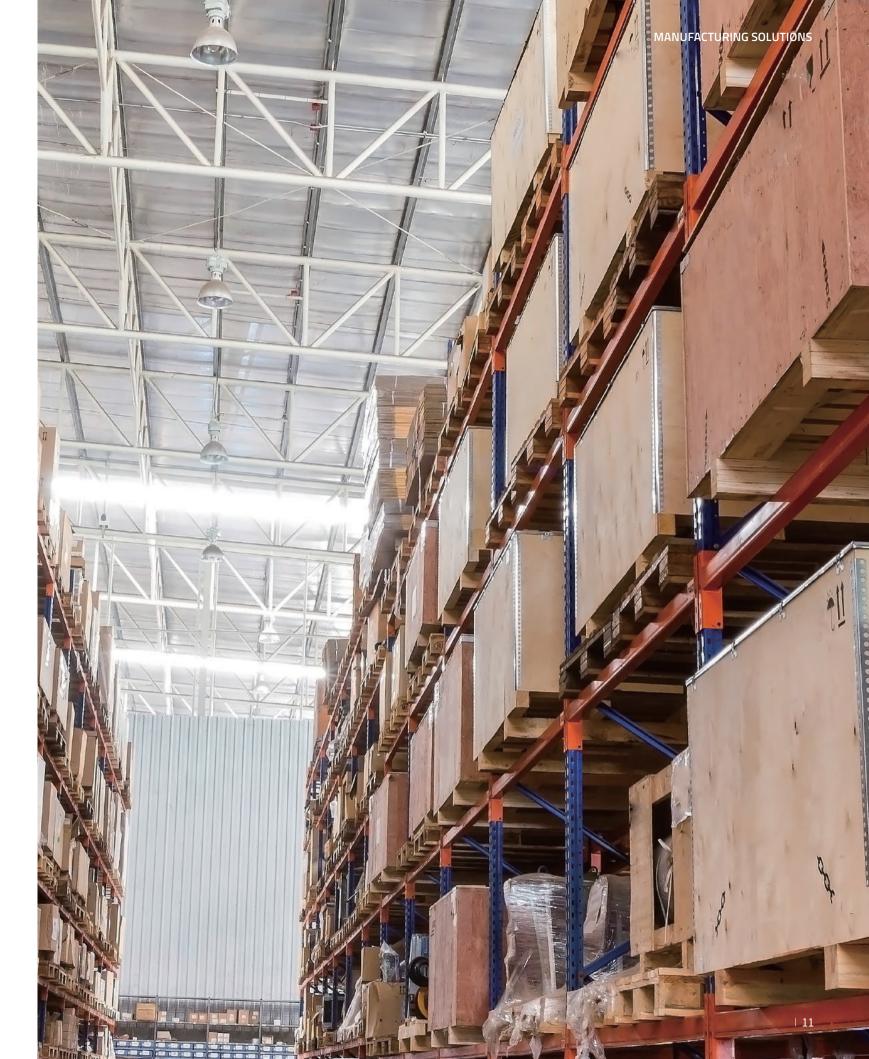- Up to 40% more length per roll than traditional liner labels

B-RIBBON™

Ribbons for Thermal Transfer Label Printer

- Wax, Wax/Resin and Resin ribbon options
- Quality guaranteed in harsh chemicals, extreme temperatures or outdoors
- Ensuring print quality and durability

LABEL PRINTERS

	XT Series	RFID XT5-40NR	XL5-40	XD Series	RFID XD5-40TR / SLP-TX400	SLP-TX420 / SLP-TX400 / SLP-DX420	SLP-TX220 / SLP-DX220	SLP-DL410
Warehouse								
Receiving / Shipping		•	•	•	•	•		
Inventory & Material management	•	•		•	•	•		
Cold Chain Management	•							
Field Operations								
Proof of Pickup & Delivery								
Shipping								•
Plant Operations								
Asset & Facility Management					•			
Inventory & Material management	•			•	•	•		
Quality Assurance	•			•		•	•	

MOBILE PRINTERS

	XM7-40 / SPP-L410	SPP-L3000 / SPP-L310	SPP-R410	SPP-R310
Warehouse				
Receiving / Shipping	•	•		
Inventory & Material management	•	•	•	•
Cold Chain Management				
Field Operations				
Proof of Pickup & Delivery	•	•	•	•
Shipping		•	•	•
Plant Operations				
Asset & Facility Management	•	•		
Inventory & Material management		•		
Quality Assurance				

SUPPLIES		
	B-LINERLESS™	B-RIBBON™
Warehouse		
Receiving / Shipping	●	●
Inventory & Material management	●	●
Cold Chain Management		
Field Operations		
Proof of Pickup & Delivery	●	
Shipping	●	
Plant Operations		
Asset & Facility Management		
Inventory & Material management	●	●
Quality Assurance		●

MANUFACTURING **SOLUTION**

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