

Sales Guide


nashuatec

MP 402SPF

Black and White A4 MFP

✔Printer ✔Copier ✔Fax ✔Scanner



 **MP 402SPF**
40 B/W

Contents:

1.	Introduction	Page 3
2.	Sales Highlights	Page 4
3.	Product Positioning	Page 6
4.	Configuration	Page 7
5.	Target Markets	Page 10
6.	Key Features	Page 11
7.	Specifications	Page 19
8.	Service and Supplies	Page 30

This sales guide is to be used by sales staff as a training aid. It is not a sales tool and should not be shared with customers. Whilst care has been taken to ensure the information provided in this guide is accurate, no liability will be accepted for errors or omissions.



1. Introduction

MP 402SPF provides a better connected and more intelligent answer to workgroup imaging needs. The A4 black-and-white MFP features Nashuatec's award winning 10.1" Smart Operation Panel, a superfast Intel processor (1.46 GHz) and the latest GWNX S16 controller. Nashuatec's responsive and brightly lit Smart Operation Panel simplifies operation, expands functionality and allows users to connect seamlessly with their smart devices and the Cloud.

The compact desktop solution succeeds MP 401SPF in Nashuatec's A4 black and white MFP range. Delivering the same productive performance and low total cost of ownership as its predecessor, it extends business class performance to smaller offices and workgroups. Immaculately presented 1,200 x 1,200 dpi print output is produced, without slowing, at a rate of 40 pages per minute, and MP 402SPF quickly copies double sided document sets, sends and receives business critical fax messages, scans colour documents and is Cloud enabled.

MP 402SPF is equipped with a single pass duplex feeder (SPDF), which saves time by scanning double sided documents in single pass at speeds of up to 80 images per minute, and a high speed duplex that powers through double-sided output. The standard 600 sheet paper capacity (500 sheet paper tray and 100 sheet bypass) can be increased to 1,600 sheets and, with auto tray switching enabled, MP 402SPF will maintain productivity throughout long print runs.

It is though the Smart Operation Panel that provides the most significant point of differentiation. Nashuatec's Smart Operation Panel provides a more tactile and immersive user experience. There are no hard buttons to press or complex menus to navigate. Productive, easy to use, cloud enabled and ready to run embedded solutions, such as StreamLine NX, MP 402SPF can be installed as part of a uniform and cost effective enterprise solution.

The Smart Operation Panel incorporates a web browser that connects allows users to view and print web content, and a Wi-Fi card, which improves access by enabling users to interact seamlessly using their

smart devices. Nashuatec's simple Quick Copy, Quick Scan and Quick Fax applications automate everyday tasks, and more time-saving workflow applications can be downloaded from Nashuatec's Application Site using the integrated web browser.

The Smart Operation Panel also supports Quick Authentication. Nashuatec's simple swipe-and-go card-based authentication system eliminates the need to remember login names and passwords. The authentication software is pre-installed and only requires the purchase of an optional NFC Reader/Writer. Controlling access to MFP functions, it protects network and document security.

Like other Nashuatec products, MP 402SPF is designed to have minimal environmental impact. The new MFP boasts the lowest TEC rating in its class and complies with the latest Blue Angel and Energy Star environmental standards. Using the compact MFP to print double sided and to distribute documents electronically helps to reduce paper consumption and conserve resources.

This guide explores the functionality of the new MFP in more detail, exploring sales opportunities and identifying key selling points. It also provides side-by-side competitor comparisons.



2. Sales Highlights

Business class performance

Offering a connected and intelligent answer to imaging needs, Nashuatec's new compact desktop MFP extends business class performance to smaller offices and workgroups. Smartly presented 1,200 x 1,200 dpi print output is delivered at a rate of 40 pages a minute and MP 402SPF quickly replicates double sided document sets, sends and receives business critical fax messages, scans colour documents and is Cloud enabled.

- Compact desktop MFP offers business class performance
- Versatile 4-in-1 solution combines print, copy, scan and fax functionality
- Superfast Intel processor (1.46 GHz) ensures responsive performance
- SPDF (single pass duplex speed) scans double sided documents in a single pass at 80 ipm
- Smart Operation Panel expands functionality and simplifies operation



Uniform enterprise solution

MP 402SPF shares the same colour touchscreen operation panel, intuitive operating system and extensive solutions capability as Nashuatec's latest A3 MFPs. The productive A4 black-and-white MFP can be installed alongside Nashuatec A3 MFPs as part of a uniform and cost effective enterprise solution. Users moving from one Nashuatec device to another will find themselves instantly familiar with the intuitive interface and powerful workflow tools.

- Install as part of a consistent and cost effective enterprise-wide solution
- Shares same touchscreen panel, intuitive operation and solutions capability as A3 MFPs
- Nashuatec's Smart Operation Panel and universal print driver provide a uniform platform
- Supports use of optional workflow solutions, such as StreamLine NX
- Users moving from one device to another will be familiar with the intuitive interface



Intuitive user interface

Nashuatec's award winning 10.1" Smart Operation Panel is an intuitive and easy to use interface. It tilts for easy viewing and is navigated with gestures, much like a smart phone or tablet. Pre-installed Quick Copy, Quick Scan and Quick Fax apps simplify operation, and users can customize the interface by changing wallpaper, dragging shortcuts to the home screen, installing useful widgets and downloading more time-saving workflow applications from Nashuatec's Application Site.

- MP 402SPF features Nashuatec's new Smart Operation Panel and Intuitive User Interface
- The 10.1" super VGA touchscreen panel - it is the largest in its class - simplifies operation
- It tilts for easy viewing and is navigated with gestures, much like a smart phone or tablet
- Nashuatec's Smart Copy, Smart Scan and Smart Fax apps simplify operation
- Users can customise the interface and install additional workflow applications



Impressive productivity

MP 402SPF is equipped with an SPDF (single pass duplex speed) that saves time by scanning double sided documents in a single pass and a high speed duplex that powers through double-sided output. Urgent one-off prints and copies are delivered in just 5 seconds and, running at 40 ppm, it can print up to 2,400 pages an hour. An impressive 150,000 page duty cycle provides capacity for large peaks in demand.

- SPDF saves time by scanning double sided documents in a single pass (up to 80 ipm)
- First smartly presented 1,200 x 1,200 dpi print ready in just 5 seconds
- Running at 40 ppm, MP 402SPF can print up to 2,400 pages an hour
- High speed duplex powers through double-sided output at 35 ppm
- Impressive 150,000 page duty cycle provides capacity for large peaks in demand



Space-saving technology

MP 402SPF is one of the most compact four-in-one MFPs in its class. With a footprint, which includes the Smart Operation Panel, of just 0.230 m², it requires minimal space and, as it is network ready, can be shared by multiple users. The brightly lit Smart Operation Panel panels tilts for easy viewing, output is delivered to a space-saving internal catch tray and consumables, such as paper and toner, are replenished at the front of the machine.

- MP 402SPF is one of the most compact four-in-one MFPs in its class
- It requires minimal space and can be placed within easy reach of users
- The brightly lit Smart Operation Panel panels tilts for easy viewing
- Output is delivered to a space-saving internal delivery tray
- Consumables, such as paper and toner, are replenished at the front of the machine



Controlled workflow

The administrator can predetermine scan settings, print output can be locked and security information appended to each and every document. This new MFP is equipped with a 250 GB hard drive and will run optional workflow solutions, such as StreamLine NX and GlobalScan NX. Nashuatec's simple swipe-and-go Quick Authentication utility is pre-installed and only requires the purchase of an optional NFC Reader/Writer.

- Securely manage document workflows and account for usage
- DSM (distributed scan management) establishes scanning parameters
- Save scanned documents with searchable text (requires OCR option)
- Secure Card-based Quick Authentication utility simplifies logon (requires NFC Reader/Writer)
- Supports optional workflow solutions, such as StreamLine NX and GlobalScan NX



3. Product Positioning

- MP 402SPF is compact yet highly productive 'Smart' MFP
- The versatile 4-in-1 solution combines print, copy, scan (SPDF) and fax functionality
- It delivers high resolution 1,200 x 1,200 dpi print at a continuous speed of 40 ppm
- It features Nashuatec's new Smart Operation Panel and Intuitive User Interface
- And it supports workflow solutions, such as StreamLine NX and GlobalScan NX
- It can be installed as part of a uniform and cost effective enterprise-wide solution

MP 402SPF succeeds MP 401SPF in Nashuatec's A4 black and white MFP range. It offers the same productive performance and low total cost of ownership as its predecessor. The Smart Operation Panel provides the major point of differentiation. Easy to use, cloud enabled and ready to run embedded solutions, such as StreamLine NX, MP 402SPF can be installed as part of a uniform and cost effective enterprise solution.

The colour touchscreen panel - at 10.1", the largest in its class - is navigated with pinch and swipe gestures. There are no hard

keys to press and Nashuatec's Intuitive User Interface with its Smart Copy, Smart Scan and Smart Fax apps simplifies operation. MP 402SPF also delivers best in class performance. The first high resolution 1,200 x 1,200 dpi print ready in just 5 seconds and the new SPDF (single pass duplex feed) saves time by scanning double sided documents in a single pass.

Serviced on an all-inclusive pay-per-page basis, Nashuatec's new A4 MFP offers a lower total cost of ownership than competitors who typically offset low retail prices with higher running costs.

Sales Proposition - Document Processing - Finance Sector (retail and branch offices)

Local Receipt



Digital Distribution



Centralised Processing



Point of Improvement	
<p>Speed of Scanning</p> <p>Before</p> <ul style="list-style-type: none"> • Slow scanning speed • Double-sided documents are turned and scanned twice • Important documents can be damaged by the document feeder 	<p>Ease of Operation</p> <p>After</p> <ul style="list-style-type: none"> • Faster throughput (up to 80 ipm duplex) • Double-sided documents are scanned in a single pass • The simple paper path reduces wear and tear <p>SPDF speeds scanning process</p>
<p>Before</p> <ul style="list-style-type: none"> • Small operation panel is difficult to read • The scanning process is complex and has multiple steps • There are no pre-set scanning destinations 	<p>After</p> <ul style="list-style-type: none"> • Nashuatec's 10.1" Smart Operation Panel is easier to use • An intuitive Quick Scan app automates process • ID Card Scan & Copy app copies both sides of an ID card <p>Operation Panel simplifies operation</p>

4. Configuration

Standard Configuration

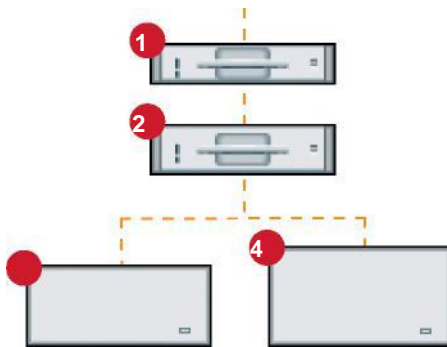
MP 402SPF is a 4-in-1 A4 black-and-white MFP. It is print, copy, fax and colour scan enabled and are supplied with a 50 sheet SPDF (single pass duplex feed), a 500 sheet A4 paper tray, a 100 sheet multi bypass and an internal duplex. It also features Nashuatec's new 10.1" Smart Operation Panel and is equipped with a 250 GB hard drive.

Mainframe



- 1 = 50 sheet SPDF
- 2 = 10.1" colour touchscreen panel
- 3 = 250 sheet delivery tray
- 4 = 100-sheet bypass tray [behind cover]
- 5 = Duplex [internal, not shown]
- 6 = 500-sheet paper tray

Peripheral Options



- 1 = 250 sheet paper tray (PB1060)
- 2 = 500 sheet paper tray (PB1070)
[one or two trays of either type can be attached]
- 3 = Medium cabinet
- 4 = High cabinet

Please see the EDP Code and Dependency table for configuration rules.

Functional Configuration

Functional Configuration - MP 402SPF	
Functionality	Black-and-white printer, copier, fax and colour scanner
Interfaces	Ethernet [RJ-45 network port : 10Base-T/100Base-TX/1000BASE-T] (standard) / IEEE1284, Wireless LAN (IEEE802.11a/b/g/n) (options)
Print Drivers	PCL 5e/6, Adobe Postscript 3 (standard) / XPS (option)
Memory	2 GB RAM and 250 GB Hard Disk Drive (standard)
Security	Data Overwrite Security [not Common Criteria certified until the mainframe is certified] (standard) / NFC Card Reader, Data Overwrite Security (for customers requiring Common Criteria certification before the mainframe is certified), Counter Interface (optional)
Other	VM card (standard) / Fax Connection Unit, SD Card for Fonts, OCR Unit, File Format Converter, FIPS Hard Disk Drive (options)

More peripheral and functional upgrade options are listed overleaf (see EDP Codes and Dependencies)

EDP Codes and Dependencies

EDP Codes and Dependencies - MP 402SPF					
Category	Item	Product Name	EDP Code	Must Install	Cannot Install
Mainframe	40 ppm A4 MFP	MP 402SPF	417706	OI Kit	-
Paper Feed	250 sheet paper tray	Paper Feed Unit PB1060	407230	-	Maximum two additional trays (250 or 500 sheets)
	500 sheet paper tray	Paper Feed Unit PB1070	407229	-	Maximum two additional trays (250 or 500 sheets)
Cabinets	High cabinet	High Cabinet	991985	-	Medium cabinet
	Medium cabinet	Medium Cabinet	991987	-	High cabinet
Interface	Parallel interface	IEEE 1284 Interface Board Type M19	417596	-	Wireless interface, file format converter
	Wireless interface	IEEE802.11 Interface Unit Type M24	407863	-	Parallel interface, file format converter
	Additional NIC	USB Device Server Option Type M19	417568	-	Wireless interface, parallel interface, file format converter
	Extended USB	Extended USB Board Type M19	417566	-	-
Print	XPS printing	XPS Direct Print Option Type M27	417722	-	-
Functional	Remote fax	Fax Connection Unit Type M27	417724	-	-
	NFC card reader	NFC Card Reader Type M27	417727	-	-
	File format converter	File Format Converter Type M19	417508	-	Wireless interface, parallel interface, additional NIC
	SD card	SD Card for Fonts Type D	416436	-	-
	OCR option	OCR Unit Type M13	417429	-	-
Security	NFC card reader	NFC Card Reader Type M27	417727	-	
	Data Overwrite Security	Data Overwrite Security Unit Type M19	417499	-	FIPS HDD
	FIPS 140-2 HDD	Enhanced Security HDD Option Type M10	417006	-	DOSS Option
	Key counter interface	Optional Counter Interface Unit M12	417111	-	-

OI Kit EDP Codes - MP 402SPF

Language	Description	EDP Code	Language	Description	EDP Code
English	OI KIT MP402SPF English	914272	Polish	OI KIT MP402SPF Polish	914283
French	OI KIT MP402SPF French	914273	Portuguese	OI KIT MP402SPF Portuguese	914284
German	OI KIT MP402SPF German	914274	Hungarian	OI KIT MP402SPF Hungarian	914285
Italian	OI KIT MP402SPF Italian	914277	Czech	OI KIT MP402SPF Czech	914286
Spanish	OI KIT MP402SPF Spanish	914278	Finnish	OI KIT MP402SPF Finnish	914287
Dutch	OI KIT MP402SPF Dutch	914279	Russian	OI KIT MP402SPF Russian	914288
Norwegian	OI KIT MP402SPF Norwegian	914280	Greek	OI KIT MP402SPF Greek	914289
Danish	OI KIT MP402SPF Danish	914281	Catalan	OI KIT MP402SPF Catalan	914290
Swedish	OI KIT MP402SPF Swedish	914282	Turkish	OI KIT MP402SPF Turkish	914291

Consumable EDP Codes - MP 402SPF

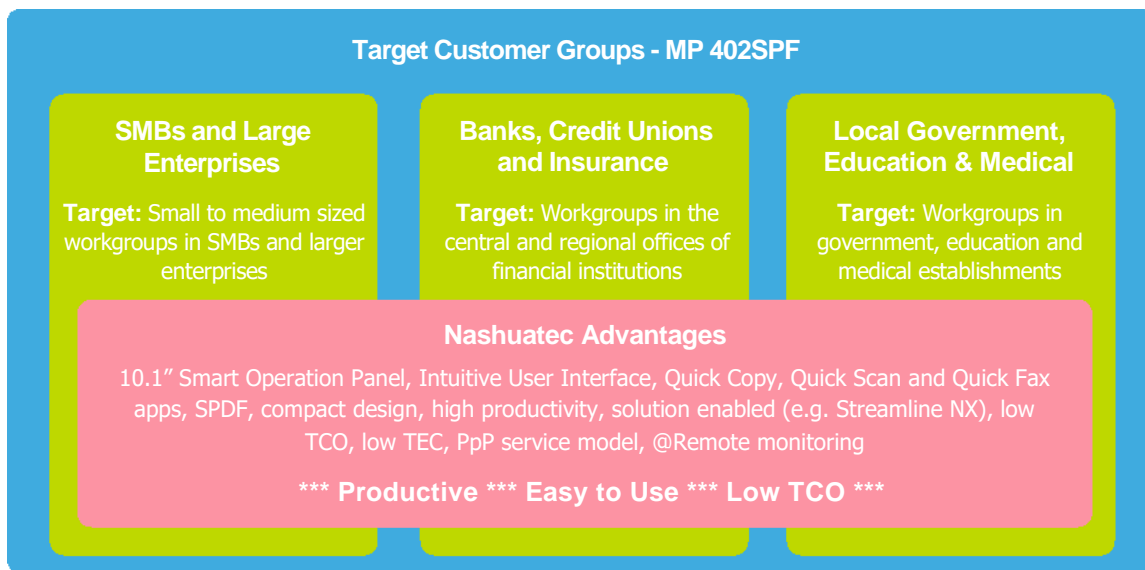
Category	Item	Product Name	EDP Code
Toner	Black Cartridge	Print Cartridge MP 401	841887

5. Target Markets

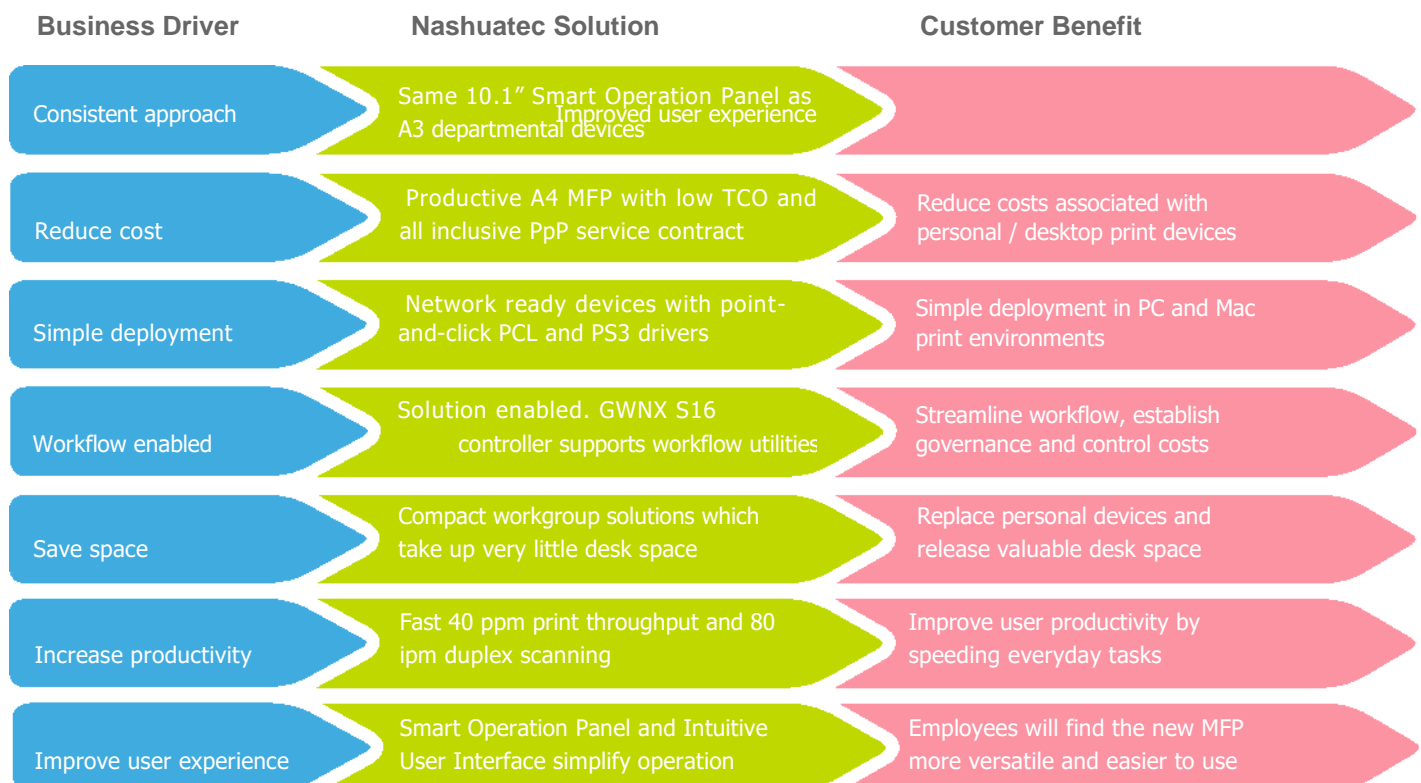
MP 402SPF is a versatile and productive black and white A4 MFP. With outstanding specifications that include 40 ppm continuous throughput, 1,200 x 1,200 dpi resolution, PCL/PS printing and high speed SPDF colour scanning, it can be deployed as a productive personal device or as a shared resource for small to medium sized workgroups.

MP 402SPF is targeted at organisations looking for a managed and consistent approach to printing. Customers will include SMBs and larger organisations with a print environment that is managed by the vendor and serviced on a PpP basis. The new

MFP has a low total cost of ownership and, because it shares the same Smart Operation Panel and solutions capability as Nashuatec's A3 MFPs, can be installed alongside them as part of a managed and consistent enterprise-wide print solution.



High-level business drivers will include:









6. Key Features

Concept - MP 402SPF		
Feature	Advantage	Benefit
4-in-1 MFP	Print, copy, fax and colour scanning functionality.	Replace separate standalone devices, saving space and money.
A4 print engine	Lower purchase price than an A3 MFP.	Reduce capital expenditure.
I-Style design	The new MFPs follow Nashuatec's I-Style design concept. Operational areas, such as the touchscreen display and delivery area, are emphasised in black.	Smart appearance accentuates compact design and looks professional in a modern work environment.
Compact design	With a footprint of just 0.230 m ² , the new MFPs is one of the most compact in its class.	Saves valuable office space.

Operation - MP 402SPF		
Feature	Advantage	Benefit
GWNX controller	Nashuatec's latest S16 GWNX controller manages the workflow.	Common interface automates workflow, establishes governance and enforces security.
10.1" touchscreen *** Best in Class ***	10.1" high visibility touchscreen panel - there are no hard buttons - which can be tilted for easy operation.	Large screen provides a bigger viewing area.
Smart Operation Panel	The touchscreen is navigated with touch gestures, much like a smart phone or tablet.	Simplifies operation, improving the user experience.

<p>Intuitive User Interface</p> 	<p>Intuitive applications, navigated using flick and pinch-in/out gestures, make it easy to select copy, scan and fax settings.</p>	<p>Simplifies operation and provides a smooth transition from Nashuatec's 'classic' user interface.</p>
	<p>A full-screen core application that simplifies the copy process by enabling easy selection of standard copy settings, such as colour, paper source and quantity.</p>	<p>Quickly and easily select copy settings.</p>
<p>Quick Scan app</p>	<p>Another full-screen core application that simplifies the scanning process by enabling easy selection of standard scan settings and prompting the user for a file destination.</p>	<p>Quickly and easily select scan settings.</p>
<p>Quick Fax app</p>	<p>The Quick Fax app provides similar functionality to Quick Scan but also prompts the user for a fax number (requires fax option).</p>	<p>Quickly and easily select fax settings.</p>
<p>Customisable home screen</p> 	<p>Users can customise the interface, changing the wallpaper, dragging shortcuts to the home screen, installing useful widgets and downloading additional workflow applications directly from Nashuatec's Application Site.</p>	<p>Customisation helps to improve the user experience.</p>
<p>Application Site</p>	<p>The Application Site icon on the Smart Operation Panel is the gateway to Nashuatec's Application Site. Tapping on the icon, the user can browse and install additional workflow applications.</p>	<p>Tailor the MFP to operational requirements and simplify everyday document processes.</p>
<p>Home screen folders</p>	<p>Folders can be created on the home screen. This allows icons to be organised logically and located quickly. For repetitive tasks requiring multiple settings, storing all the required program icons in the same folder can save a lot of time.</p>	<p>Simplifies navigation, saving time.</p>
<p>Intelligent widgets</p> 	<p>Widgets can be added to the home screen that show the date and time, environmental metrics, toner supply levels, language settings and which notify users of incoming fax messages.</p>	<p>Essential information is available at glance.</p>

Web browser	A standard feature of the Smart Operation Panel, the Web Browser provides direct access to the web. It can be used to view and print content and install workflow applications. With its inbuilt speaker, it can even be used to watch training videos.	Enables easy access to cloud-based content.
Workflow enabled	The Smart Operation Panel provides an intuitive interface for optional workflow solutions, such as StreamLine NX.	Easily implement enterprise workflow and cost management solutions.

Productivity - MP 402SPF




Feature	Advantage	Benefit
Quick warm up	Ready to print within 21 seconds.	Saves time and improves productivity.
Fast first page *** Best in Class ***	The new MFP delivers its first page in just 5 seconds.	Eliminates bottlenecks as one-off prints and copies are delivered at speed.
LED technology	A multi-source LED array is used in place of a conventional single-source laser writer.	Speeds the print process, enabling 1,200 x 1,200 dpi print to be produced at full engine speed.
40 ppm print engine	Continuous single-sided print output is produced at a speed of 40 A4 ppm.	Multi page documents are produced quickly, supporting workgroup use.
High speed duplex	The integral duplex delivers double-sided print output at a rate of 35 A4 ppm.	Maintain productivity when printing double-sided.

Paper Handling - MP 402SPF

Feature	Advantage	Benefit
1,600 sheet paper capacity (maximum)	The standard capacity of 600 sheets (500 sheet tray + 100 sheet bypass) can be expanded to 1,600 sheets with the addition of two 1 x 500 sheet paper trays.	Hold different stock online and reduce downtime related to paper replenishment.
100 sheet multi-bypass	The standard multi bypass tray will hold 100 sheets of paper.	Quickly feed non-standard media such as letterhead paper, labels and envelopes.
Auto tray switching (requires optional 2nd / 3rd tray)	The MFP can automatically switch from one tray to another.	Replenish paper without interrupting the print process.
Versatile media support	The paper trays, bypass and duplex support media weights of media of 52 to 162 gsm.	Add impact by printing on thick paper, letterhead paper and other non-standard media.
Envelope printing	The bypass tray also support printing on envelopes and labels.	Speed mailing process by printing addresses onto envelopes.

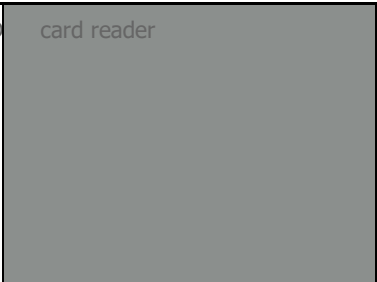
Network - MP 402SPF

Feature	Advantage	Benefit
Network ready	The new MFP is equipped with a gigabit ethernet interface and there are parallel and wireless interface options.	Workgroup users can share the same device, improving access.
Bluetooth (Smart Operation Panel)	The Smart Operation Panel includes bluetooth connectivity as standard.	Smart Operation Panel uses bluetooth 4.0 to connect with external devices.

USB device server	The USB device server (option) provides a secondary network interface port which allows the MFP to connect simultaneously to two print networks.	Support customers, such as banks, hospitals and schools, who run separate open and closed networks.
	The panel is also equipped with a Wi-Fi card that supports fast and secure connection with smart devices.	Supports Bring Your Own Device (BYOD) by enabling easy connection with smart phones and tablets.
AirPrint version 1.5	Print wirelessly from Apple iPhones and iPads without need for a printer driver or other utility.	Improves access and simplifies print process.
Extended USB board (option)	Optional interface that provides a print enabled USB connection. Supports AirPrint for USB host printing (a requirement for AirPrint certification).	Connect and print using a USB cable.
Smart Device Connector	A free app that enables users to connect their smart devices to a Nashuatec MFP, interactive whiteboard or projector using NFC, QR code or Bluetooth. Once connected to an MFP, their smart devices can be used as an interface to print and scan documents and send fax messages (requires fax enabled MFP).	Improves access to technology, simplifies information exchange and facilitates mobile working.
 	Another free Nashuatec app that enables documents to be printed and scanned remotely using smartphones and tablets.	Improves access and mobility.
Mopria support	MP 402SPF supports Mopria; a set of standards that enable printing from Android mobile devices. The Mopria Print Service provides a universal print driver that converts print data to the type required by the printer.	Simple and seamless mobile printing from Android mobile devices (Android version 4.4 and above).

Printing - MP 402SPF		
Feature	Advantage	Benefit
PLC and PS printing	MP 402SPF supports PCL and PS3 printing.	Files are processed in the printer, speeding the print process and improving accuracy. The postscript driver enables the devices to be used in a Mac print environment.
1,200 x 1,200 dpi resolution	The new MFP produces 1,200 x 1,200 dpi resolution print output.	Improves the appearance of business communication.

PxP chemical toner	A chemically produced toner with ultra fine uniformly shaped particles.	Clearly defined characters, solid fills, fine lines and smooth gradations.
Point and print icons	The PCL and PS3 print drivers have graphic icons which allow single click selection of complex settings.	Simplifies the print process, saving time.
PDF direct print	PDF documents can be printed directly to the PostScript enabled device. The files are processed by the printer rather than the PC.	Releases computing resource and reduces network traffic.
Mail to Print	Send an e-mail with attached data directly to the MFP for printing.	Improves access and simplifies print process.
XPS direct print (option)	MP 402SPF also supports XPS direct print. XPS is an XML based document format similar to PDF which is being promoted by Microsoft.	Compatible with newly emerging print format.
Scheduled print	Users can specify a time at which documents are to be printed.	Reduces bottlenecks. Time-consuming jobs such as invoicing can be scheduled to run overnight or at the weekend.
Shared Folder Print (Smart app)	Preview and print PDF, Compact PDF and JPEG files stored in a shared folder (Windows OS) from the Smart Operation Panel.	Print brochures, POP and other regularly used documents on demand.

Portable Media - MP 402SPF		
Feature	Advantage	Benefit
	There is a USB/SD card reader located to the side of the control panel.	Improves access by enabling walk up users to print from / scan to flash memory.
Print from Storage Media	Documents stored on a USB/SD card can be previewed on the Smart Operation Panel and printed. The intuitive user interface helps the user to select appropriate print settings and to preview and print documents.	Documents held on portable media are printed more easily.
Scan to Storage Media	Scanned documents can be previewed on the Smart Operation Panel and saved to a USB/SD card. The intuitive user interface helps the user to select appropriate scan settings and to preview and save documents.	Documents are easily saved to portable media.

Colour Scanning - MP 402SPF		
Feature	Advantage	Benefit
Colour scanner	Documents can be scanned in full colour at resolutions of up to 600 x 600 dpi.	High-resolution scanning facility eliminates the need for standalone scanning device.

Single pass duplex feed (SPDF) *** Best in Class ***	The new MFP is equipped with an SPDF (single pass duplex feed). Up to 50 documents can be fed in a single batch. The SPDF scans both sides in single pass. Colour and B&W documents are scanned at a speed of 40 ipm (simplex) and 80 ipm (duplex).	Speeds scanning process and reduces wear and tear.
Flatbed	Books and photographs can be scanned directly from the platen glass.	It is easy to scan bound or mounted originals such as books and photographs.
Document server	The new MFPs have an integral document server, which can be used to archive up to 3,000 documents or 9,000 pages.	Reduce costs by printing regularly used documents on demand instead of holding shelf stock.
Distributed scan management (DSM)	The administrator can pre-set scanning conditions and destinations for users.	Simplifies the scanning process.
Searchable PDF (requires OCR option)	The document text is recognised and saved along with the original document.	Improves access to information as documents can be searched for using keywords, and text within the document can be edited.
Encrypted PDF transmission	PDF documents scanned to e-mail, saved to the document server or to another network location can be encrypted and password protected.	Protects confidential information.
Enhanced encryption level	The user can select secure encryption algorithms. Supported algorithms include AES256bit (used by the US government, NESSIE in the EU and CRYPTREC in Japan) and SHA-2 (used by the US National Security Agency).	Encryption complies with government and industry regulatory standards.
PDF/A	PDF/A is an ISO standard for the long-term archiving of electronic documents. The format locks the document to maintain its originality and records within the document a 'Device Certificate'.	Document format complies with government and industry regulatory standards.
Scan to Me *** Smart app ***	One-click app enables users to scan documents directly to an email address associated with their logon details.	Scan documents directly to email.
Scan to Folder Helper *** Smart app ***	Helps the user to setup a unique folder in which they can save scanned documents for fast, convenient access at a later date.	Easily configure Scan to Folder settings.
Scan to SharePoint *** Smart app ***	Allows users to select a SharePoint folder as a scan destination. Users with administrative privileges can add/edit/delete SharePoint server destination	Scan documents directly to a SharePoint server.
ID Card Scan & Copy *** Smart app ***	Both sides of the ID card can be scanned and stored as a single page. The scanned data can be sent to a specific folder, email address or can be printed.	Scan both sides of an ID card to one page.

Copying - MP 402SPF		
Feature	Advantage	Benefit
Scan once, copy many	Copies are produced from memory.	Each copy is identical to the first.
Electronic sorting	Copies and prints are delivered in page order.	Saves time as sets are collated ready for distribution.
Digital zoom	MP 402SPF has a 25 to 400% zoom. Standard enlargement and reduction ratios are easily selected.	Small images are easily enlarged for easier reading.
ID card copy *** Smart app ***	Automatically copies both sides of an ID card onto one side of a sheet of paper.	Saves time and paper. Will prove useful to organisations which need to record credit card and passport details.
Combine copy	Scan two or four originals and print them as tiled copies on one sheet of paper	Reduce print and paper costs.

Fax - MP 402SPF		
Feature	Advantage	Benefit
Fax *** Standard ***	MP 402SPF includes plain paper fax functionality as standard.	Eliminates the need for a separate standalone fax machine, saving money and space.
Fast transmission	An A4 fax message can be scanned in 2.4 seconds and transmitted in 2 seconds.	Fast transmission saves the user time and reduces line charges.
Book fax	Bound documents, such as brochures and reports, can be faxed directly from the platen glass.	Saves time as there's no need to breakdown bound documents for faxing.
Quick dial	There is the facility to save 32 speed dial locations.	Speeds communication with regular contacts.

Security - MP 402SPF		
Feature	Advantage	Benefit
NFC Card Reader (option)	An optional NFC (near field communication) card reader can be installed inside the top panel of the MFP. The reader supports ID card authentication.	Protects security by requiring ID card based authentication.
Quick Authentication	Nashuatec's swipe-and-go card-based authentication software is pre-installed and only requires the purchase of an optional NFC Reader/Writer.	Simplifies login whilst controlling access to MFP features.
Data Overwrite Security	Overwrites temporary data held on the hard drive up to nine times with random data.	Protects security by ensuring that temporary data cannot be recovered.
HDD Encryption	Encrypts the address book, authentication information and stored documents.	Protects security by encrypting documents.

FIPS certified HDD (option)	The standard hard drive can be replaced with an optional HDD that is certified to meet the Federal Information Processing Standards (FIPS). These are U.S. government computer security standards that specify requirements for cryptography modules.	Suitable for use in secure environments such as by government agencies and in industries that are subject to strict security compliance.
Quota scheduling	The administrator can limit the output of individual users and user groups by setting page count limits. This feature now allows quotas to be shared across multiple Nashuatec devices.	Establishes governance over the print environment and reduces print volume.
Background numbering	With background numbering selected in the print driver, controlled documents are consecutively numbered.	It is easy to ensure that controlled documents are collected at the end of a meeting.
Banner page print	A job sheet can be printed before a print job that identifies the originator.	Makes it easier to identify work in a busy environment.
Mandatory hold print	When mandatory hold print is activated by the administrator, print output is held in the document server until released at the printer by the originator.	Protects confidentiality and reduces waste.
Mandatory security information	Automatically append security information such as the user ID, date, time, IP address and printer serial number to every document printed.	Improves document security by establishing a printed audit trail.
Kensington security slot	The Kensington security slot is a metal reinforced lockpoint that allows the machine to be tethered using a lock and cable.	Can be used to protect the printer and MFP from theft.

Environment - MP 402SPF		
Feature	Advantage	Benefit
Power on/off timer	The power on/off timer switches the machine on and off at specified times.	Saves energy by switching the machine off when it is not required.
Sleep mode	In energy saving sleep mode, the new MFP consumes less than 0.9 W.	Cuts energy consumption.
Eco-information screen	A pop-up, visible at the control panel, reports green metrics, such as the number of double sided prints.	Encourages sustainable print behaviour.
Low TEC (typical electricity consumption)	The new MFP is energy efficient and has a class leading TEC rating of 1.756 kWh .	Saves energy and reduces carbon emissions.
Blue Angel (BAM) and Energy Star	The MFPs are compliant with the latest environmental standards, including Blue Angel Mark (BAM) and Energy Star v2 .	Don't just take Nashuatec's word for it; third party certification proves that these devices are eco-friendly.

7. Specifications

General Specifications - MP 402SPF		
CPU	Intel Atom Processor Bay Trail	1.46GHz
Warm-up time	21 seconds	
First output speed	5 seconds	
Continuous output speed	A4	40 pages per minute
	A4 duplex	35 pages per minute
Memory	Standard	2,048 MB
HDD	Standard	250 GB
Duty cycle	150,000 prints per month	
Life	5 years or 600,000 output	
Duplex	Standard	
Reproduction ratio	200%, 141%, 100%, 93%, 71%, 50%	
Zoom	From 25% to 400% in 1% step	
Enhanced features	Combine	2 into 1 simplex, 4 into 1 simplex, 1 duplex into 1 simplex, 2 duplex into 1 simplex, 4 into 1 duplex, 8 into 1 duplex, 2 duplex into 1 duplex, 4 duplex into 1 duplex
	Shift/erase/margin adjustment	Margin adjustment, Erase center/border
	Image rotation	
Accessibility features	Easy touch screen, Normal/reverse grip & light drawing, Tilt operation panel, Distinguishable LED, Printer driver (PCL6) screen reader, Simplified display, Auditory outputs (easy to hear), Visually accessible LED placement	
Dimensions (W x D x H)	With SPDF	476 x 483 x 510 mm
Weight	Mainframe	26 kg
Power source	220 - 240 V, 50/60 Hz	

Copier Specifications - MP 402SPF	
Copying process	Dry, single component & electro-photographic printing
Scanning element	LED Array
Multiple copying	Up to 99 copies
Resolution	600 x 600 dpi

Printer Specifications - MP 402SPF		
Printing process	Dry, single component & electro-photographic printing	
RAM	Standard	2,048 MB
HDD	Standard	250 GB
Printer language	Standard	PCL5e, PCL6, Adobe® PostScript® 3TM, PDF direct print, Mediaprint (JPEG/TIFF)
	Option	XPS
Print resolution	Maximum	1,200 x 1,200 dpi
Interface	Standard	Ethernet 10 base-T/100 base-TX/1000 base-T
	Option	Bi-directional IEEE 1284

		Wireless LAN (IEEE 802.11a/b/g/n)
Network protocol	TCP/IP	IP v4, v6
Windows® environments	Windows® Vista, 7, 8, 8.1, 10	
	Windows® Server 2008, Windows® Server 2008R2, Windows® Server 2012, Windows® Server 2012R2	
Mac OS environments	Macintosh OS X v10.8 - v10.11	
UNIX environments	UNIX Sun® Solaris	2.9, 2.10
	HP-UX	11.x, 11i v2, 11i v3
	SCO OpenServer	5.0.7, 6.0
	RedHat® Linux Enterprise	4, 5, 6
	IBM® AIX	V 5L, V5.3, V6.1, V7.1
SAP® R/3® environments	SAP® R/3®	SAP® R/3 3.x® or later, mySAP ERP 2004 or later
Printer driver features	Send to document server	
	Sample print	
	Locked print	
	Hold print	
	Scheduled print	
	Stored print	
	Store and print	
	Reduce/enlarge(zoom/scaling)	
	Layout (N-up, page per sheet)	
	Duplex	
	Collate	
	Rotate by 180 degrees	
	Toner saving	
	User ID	
	User code	
	PDF direct print	
	Mail to print	
	Classification code	
	Bonjour (Rendezvous) support	
	Windows® Active Directory support	
	DDNS support	
	PCL resident font adoption	
	Tray-parameter change from Web Image Monitor	
	1,200 dpi support	
Mobile driver		
XPS support		
WS printer		
Wireless LAN interface option		

Media Direct Print (print from USB)
Media Direct Print (print from SD)
Auto Job Promotion
Poster Print
WPS (Wi-Fi Protected Set-up) support
Universal Driver
Banner Page Print (Job Sheet Print)
AirPrint

Scanner Specifications - MP 402SPF				
Scanning area	Main scan	216 mm		
	Sub scan	DF	600 mm	
		Platen	356 mm	
Scanning speed	SPDF	Max. 40 (simplex)/80 (duplex) originals per minute		
Resolution	Standard	100 - 600 dpi		
	Default	200 dpi		
	Scanner	Up to 1,200 x 1,200 dpi		
	Driver	Up to 19,200 x 19,200 dpi		
File format	Single page TIFF, Single page JPEG, Single page PDF, Single page High compression PDF, Single page PDF-A, Multi page TIFF, Multi page PDF, Multi page High compression PDF, Multi page PDF-A			
Network TWAIN Driver	OS	Windows Vista, 7, 8, 8.1, Windows Server 2008, 2008R2, 2012, 2012R2		
	Resolution	Colour	100 - 1,200 dpi	
		ARDF	100 - 600 dpi	
		B/W	100 - 1,200 dpi	
		ARDF	100 - 600 dpi	
	Scanning speed	200 dpi	24 ipm colour (A4)	
		300 dpi	16 ipm colour (A4)	
			24 ipm B/W (A4)	
Scan mode	Standard, Photo, OCR, Filing			
Image adjustment	Brightness, Contrast, Threshold, Gamma adjustment, Halftone pattern			
Scanner features	Scan to USB/SD			
	WS-Scanner			
	Scanned file naming	Reference # setting		
	Scan file type selection	Single TIFF, Single JPEG (greyscale), Single PDF, Single High Compression PDF, Multi Page TIFF/PDF, Multi page High Compression PDF		
	LDAP Support	E-mail address search		
		Fax address search		
	Preview before transmission (TX preview)			

	PDF encryption		
	Drop out colour send		
	Twain Scan		
	Universal send (simultaneous fax & scan)		
	Distributed Scan Management (DSM)		
Scan to	E-mail	Requirement	SMTP (Mail Server), TCP/IP
		Authorization function	SMTP, POP before SMTP
		Resolution	Std: 100/200/300/400/600 dpi
			Default: 200 dpi
		Maximum email addresses in HDD	2,000 addresses
		Register group address in HDD	Maximum 100 groups
		Maintain email addresses in HDD	Direct input on operation panel
			WebImageMonitor
			SmartDeviceMonitor for Admin
		Input of destination email addresses via soft key	Maximum: 100 destinations per job
		Search method email addresses in HDD	By name and e-mail address
		LDAP Search	
		Maximum address numbers per send	500 addresses
		Address numbers per send	Direct input: Maximum 100 addresses
			Via LDAP: Maximum 100 addresses
			Input via Address book: Maximum 500 destinations
		Attention	To
			Cc
			Bcc
		Email size	128 - 102,400 KB
Input subject	Manual: Max. 128 characters via soft key		
	User pre-register		
Input main body text	Max. 80 characters via keyboard		
	User pre-register		
	Pre-set		
	Input file name		

		File type	Single page TIFF/JPEG, Multi page TIFF, Single page PDF, Multi page PDF, Single page High compression PDF, Multi page High compression PDF, Single page PDF-A, Multi page PDF-A
		Program user settings	
		Divide and send email	
		Resend	
	Folder	Protocol support	SMB
			FTP
		Security	Client folder login (login name and password)
			Encryption of login name and password during transmission
		Resolution	Std: 100/200/300/400/600 dpi
			Default: 200 dpi
		Register client folder address in HDD	2,000 folders
		Maintain client folder address in HDD	Direct input on operation panel
			WebImageMonitor
			SmartDeviceMonitor for Admin
		Destination client folder address input via soft key	
		Search client folder	SMB: Browsing directly to the designated folders
			FTP: By client folder name
		Maximum client folder numbers per send	Maximum 50 client folders / PCs per send
		Group address	Maximum 100 destinations (to folder: 50, to e-mail: 500)
		Input file name	
		File type	Single page TIFF/JPEG, Multi page TIFF, Single page PDF, Multi page PDF, Single page High compression PDF, Multi page High compression PDF, Single page PDF-A, Multi page PDF-A
		Scan to file size	2,000 MB
		File size when combined scan to folder & scan to email	128 - 102,400 Kb
			Default: 2,048 Kb (with restriction)
	Program user settings		
	Resend		
	USB		

	SD card
	SMB
	FTP
	URL
	PDF/A
	Digitally signed PDF
	Searchable PDF (embedded) (Option)

Fax Specifications - MP 402SPF		
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Circuit	PSTN, PBX			
Compatibility	G3			
	ITU-T(T.37) Internet-Fax			
Resolution	Standard	8 x 3.85 line/mm, 200 x 200 dpi		
		8 x 7.7 line/mm, 200 x 100 dpi		
Compression method	MH, MR, MMR, JBIG			
Transmission speed	G3	2 second(s) (200 x 100 dpi, JBIG)		
Modem speed	Maximum	33.6 Kbps		
Scanning speed	2.4 second(s)			
Memory backup	Yes	1 hour		
SAF memory size	Standard	4 MB, 320 sheets		
Internet Fax	Number of address	2,000 addresses		
	Email address input	From LCD operation panel		
		Web Image Monitor		
		Smart Device Monitor for Admin		
	Attention	"to" or "bcc" (select only one), maximum 500 attentions		
	Destination combination	Internet Fax + G3 Fax		
		Internet Fax to PC + G3 Fax		
	Network	Ethernet/10Base-T, Ethernet/100Base-T, Ethernet/1000Base-T		
		IEEE 802.11a/b/g/n (Wireless LAN)		
	Transmit function	E-mail		
	Scan line density	Standard character	200 x 100 dpi	
		Detail character	200 x 200 dpi	
	Communication protocol	Transmission	SMTP, TCP/IP	
		Reception	POP3, SMTP, IMAP4, TCP/IP	
	IPv6 Support			
Email format	Single/multi-part			
	MIME Conversion			
	Attached file forms: TIFF-F (MH, MR, MMR compression)			
Authentication method	SMTP-AUTH, POP before SMTP, A-POP			

	Internet communication	Send and receive e-mail with a computer that has an e-mail address		
	E-mail send functions	Automatic conversion of sent documents to e-mail format and e-mail transmission. Memory transmission only.		
	E-mail receive functions	Automatic detection and printing of appended TIFF-F(MH) files and ASCII text. Memory reception only.		
	Number of addresses	500 addresses	200 x 200 dpi	
	OS	Windows® Vista, 7, 8	200 x 100 dpi	
Windows® Server 2008, 2008R2, 2012				
IP Fax	Network	Ethernet/10Base-T, Ethernet/100Base-T, Ethernet/1000Base-T		
		IEEE 802.11a/b/g/n (Wireless LAN)(option)		
	Scan Line Density	Standard character	200 dpi x 100 dpi	
		Detail character	200 dpi x 200 dpi	
	Maximum scanning size	Standard	210 mm x 297 mm	
	Transmission protocol	Recommended: T.38, TCP, UDP/IP communication, SIP(RFC 3261 compliant), H.323 v2		
	IPv6 support			
	Compatible machines	IP-Fax compatible machines		
	IP-fax transmission/reception function			
Fax features	Smoothing			
	TTI/RTI			
	CSI			
	Quick dial			
	Speed dial			
	Group dial			
	Program			
	Redial			
	Direct fax number entry			
	Dual access			
	User code	1,000 codes, 8 digits		
	Page counter			
	Wild cards			
	Summer time			
	Memory Lock ID Code			
	SID code (sender ID)			
	User function key			
	Energy saver			
	LCD prompt			
	Remaining memory indication			
	Clock adjustment			
	User parameter settings			

Remote Fax
Immediate transmission
Parallel memory transmission
Memory transmission
Serial broadcasting
Send later
Error correction mode
Page retransmission
Forwarding
Book fax
Closed network transmission
Double sided transmission
Automatic reception
Manual reception
Substitute reception
Authorized reception
Multi copy
Closed network
Reception time printing
Center mark
Chequered mark
Duplex reception
Handset/telephone
Telephone connection
Monitor speaker
On hook dial
Tone transmission
Pause
Pulse/tone selection
Reception mode selection
Automatic fax/phone change
Reception mode switch over (remote)
Answering machine interface
Auto answer delay time
Busy tone detection
Detection of misplaced document
Double-check of destination address
Direct SMTP
Fax forward to folder

	Paperless fax (HDD received)
	LAN-fax with cover sheet editor
	LDAP Support
	Max G3 lines
	DS stored data sending
	Fax line assignment
	Fax output timer

Paper Handling Specifications - MP 402SPF		
Recommended paper size	A4, A5, A6, B5, B6	
Paper input capacity	Standard	600 sheets
	Maximum	1,600 sheets
Paper output capacity	Standard	250 sheets
Paper weight	52 - 162 g/m ²	

Security Specifications - MP 402SPF	
HDD Data Overwrite Security	
Authentication	Windows® authentication
	LDAP authentication
	Basic authentication
	User code authentication
	802.1.x wired authentication
Encryption	Address book encryption
	Authentication password encryption
	SSL communication
	S/MIME
	IPsec communication
	HDD encryption
	Authentication password encryption
	WPA2 (Wireless LAN)
IP Sec	
Secure Sockets Layer (SSL)	
IPv6	
Transport layer security	
Unauthorised copy prevention (print)	
Unauthorised copy prevention (copy)	
Quota Setting/Account Limit	
SMTP over SSL	
Compulsory security stamp	

Environmental Specifications - MP 402SPF		
Sound power level (mainframe only)	Stand-by	30.2 dB
	Copying	65.8 dB
Sound power level (full system)	Stand-by	Less than 31.1 dB
	Copying	69.8 dB
Sound pressure level (mainframe only)	Stand-by	19.4 dB
	Copying	58.8 dB
Sound pressure level (full system)	Stand-by	Less than 18.9 dB
	Copying	62.8 dB
Power consumption	Maximum	1,140 W
	Ready mode	107 W or less
	Sleep mode	Less than 0.9 W
	TEC (Typical Electricity Consumption)	1.756 kWh
Material emission level (emission rate)	Ozone (Print)	Less than 1.5mg/h
	Dust (Print)	Less than 4.0mg/h
	Styrene (Print)	Less than 1.0mg/h
	TVOC (Print)	Less than 1.0mg/h
	TVOC (Ready)	Less than 10.0mg/h
	Benzene (Print)	Less than 0.05mg/h
Environmental labels/ENERGY STAR certification	BAM	
	ENERGY STAR version 2.0	

Options - MP 402SPF
1 x 250-sheet paper tray, 1 x 500-sheet paper tray
Medium cabinet
High cabinet
Bi-directional IEEE 1284 Wireless LAN (IEEE 802.11a/b/g/n) Counter interface File format converter
Data Overwrite Security Unit (Certified version)
FIPS Hard Disk Drive Fax Connection Unit
Unicode Font Package for SAP
OCR Unit XPS direct print
NFC Card Reader
Font SD card

USB Device Server
Extended USB board

Consumable Specifications - MP 402SPF

Toner capacity	Black	10,400 prints
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Toner target yield (A4/LT, 6% coverage)



8. Service and Supplies

MP 402SPF is likely deployed as part of a managed workflow solution alongside other Nashuatec GWNX products and should be serviced on a toner inclusive Pay per Page (PpP) basis.

PpP servicing offers the following customer advantages:

- Transparent pricing
- Includes toner and servicing
- Pre-agreed page cost
- Metered pay as you go billing

MP 402SPF has similar running costs to its predecessor, MP 401SPF. Although the running costs are similar, sales people should refer to their service or sales management for actual service pricing.

The average monthly print volume of devices in this class is 3,000 pages. With a recommended maximum monthly print volume of 10,000 pages, MP 402SPF can easily meet average volume requirements and, with a duty cycle of 150,000 pages, will also reliably handle peaks in demand.

Using @Remote, MP 402SPF can be monitored in real-time enabling Nashuatec's service operation to identify issues before they become apparent to users and deliver consumable items such as toner in advance of need.

Consumable yields and service parameters are provided below:

Service and Supplies Specifications - MP 402SPF		
Document Volume	Average Monthly Volume	3,000 pages
	Maximum Monthly Volume	10,000 pages
	Duty Cycle	150,000 pages
Consumable Yield	Black Toner	10,400 prints (A4/LT, 6% coverage, 3 p/j)
Maintenance Cycle	PM Cycle	PCDU: 40,000 pages (B50, 3P/J), Fusing Unit: 180,000 pages (B50, 3P/J)
	MCBC	25,200 pages
Service Life	Target Life (Mainframe)	600,000 pages or five years, whichever comes first