

# varioPRINT 140 series QUARTZ

## PERFORMANCE THROUGHOUT: CLASS LEADING PRODUCTION PRINTER – SUPERB UPTIME AND OUTSTANDING IMAGE QUALITY

The varioPRINT 140 series QUARTZ offers unparalleled reliability, impressive quality, strong environmental credentials and excellent output speeds, setting a new standard for monochrome production printing.



- Consistently high-quality prints thanks to DirectPress technology
- Speeds of up to 143 images per minute
- Maximum output volume of 800,000 images per month
- Peerless reliability means the printer requires minimal maintenance
- EnergyLogic delivers smart energy usage with zero ozone emissions
- Upgrade speed with temporary or permanent licenses, providing flexibility to respond to changes in levels of demand
- HeatXchange technology further reduces energy consumption
- Embedded PRISMAsync controller offers intuitive operation and simplified scheduling
- Seamless workflow integration for smooth end-to-end production
- Range of inline accessories and DFD support for online finishing
- Superb registration, with excellent line-sharpness and halftone uniformity

**Canon**

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# TECHNICAL SPECIFICATIONS

# varioPRINT 140 series QUARTZ

## TECHNOLOGY

<b>Description</b>	Black & white printer / scanner / copier		
<b>Imaging technology</b>	DirectPress®		
<b>Toner</b>	Mono-component toner		
<b>Engine resolution</b>	600 x 2400 dpi		
<b>Features</b>	Toner Transfer Fusing (TTF) technology, HeatXchange technology, On-the-fly toner and paper refill; Automatic duplexing (up to 300 gsm), Active registration		
<b>Options</b>	Operator attention light with adjustable warn-ahead functions, CCD interface		
<b>Print speed (simplex and duplex)</b>	A4 duplex	A3 duplex	SRA3 duplex
<b>varioPRINT 140</b>	143 ipm	75 ipm	70 ipm
<b>varioPRINT 130</b>	133 ipm	69 ipm	65 ipm
<b>varioPRINT 115</b>	117 ipm	61 ipm	58 ipm

## SEGMENT

<b>Recommended average print volume (A4)</b>	varioPRINT 140: 200,000-800,000 varioPRINT 130: 150,000-650,000 varioPRINT 115: 80,000-500,000		
<b>Duty cycle</b>	varioPRINT 115 up to 1,800,000 images per month varioPRINT 130 up to 2,100,000 images per month varioPRINT 140 up to 2,300,000 images per month		

## GENERAL

<b>User operation</b>	Integrated 15" full colour touchscreen operator panel; Full engine / controller integration with one point of control PRISMAsync controller Remote Control: iOS/Android application Remote monitoring: on desktop via Remote User Interface Remote Meter Reading: secure and easy transmission of meter readings Remote Diagnostics: for maximum printer uptime Remote Software Upgrade: always the latest software and functionality available
<b>Warm-up time</b>	150-270 seconds, depending on amount of toner in cleaner
<b>First copy time</b>	Simplex: 3.9 seconds
<b>First print time</b>	Simplex and ripped: 5.1 seconds
<b>Registration tolerance</b>	Maximum +/- 0.5 mm (A4 images)
<b>Dimensions main engine (WxDxH)</b>	1130 x 765 x 1040 mm (excluding user interface) 1130 x 765 x 1430 mm (including user interface)
<b>Weight main engine</b>	263 kg (with Scanner / Automatic document feeder)
<b>Certificates</b>	EPA Energy Star®/ TEC compliancy, RoHS, Cetecom / CE Class A, FCC Class A, UL / TÜV / CE, REACH
<b>Product Safety &amp; Environment</b>	EPA/TEC compliance, RoHS compliance, Cetecom / CE Class A, FCC Class A, UL / TÜV / CE, VCCI, ErP, China RoHS, CRDH FDA (USA), WEEE, Green Procurement Standards, EAC, KC, RCM, International Energy Star
<b>Other compliances</b>	Section 508, EPEAT SILVER, De-inkability certificate
<b>Operating system</b>	Windows 10
<b>Processor</b>	3.1 GHz
<b>Memory</b>	4 GB
<b>Hard disk</b>	500 GB
<b>Interface</b>	10/100/1000 Base-T
<b>Page Description Language</b>	APPE (Adobe® PDF Print Engine): Adobe® PostScript® 3TM/ streaming PostScript®, PPML/GA Level 1; PPML versions 1.5, 2.1 and 2.2 PDF 1.7, PCL 6; XPS; IPDS (options); Xerox® PPP support
<b>Fonts</b>	136 Type1 fonts for roman languages Use of PostScript fonts via Settings Editor
<b>Protocols</b>	TCP/IP (LPR/LPD, socket), SMB static/auto IP (via DHCP), SNMP v1-v3 (printer MIB, private MIB), Job monitoring MIB, IPP
<b>Printer drivers</b>	PS3 UPD - Windows Server 2003(R2) /Vista/Windows Server 2008 /Windows 7/ Windows Server 2008 R2/ Windows 8/Windows server 2012/Windows 8.1/Windows 2012 R2/Windows 10/ Windows Server 2016 PS3 PPD - legacy Windows and MAC/Linux-CUPS/other PS3 - Macintosh (Mac OS 10.6/10.7/10.8/10.9/10.10/10.11/10.12/10.13) PCL6 UPD - Windows Server 2003(R2)/Vista/Windows Server 2008 /Windows 7/ Windows Server 2008 R2/ Windows 8/Windows server 2012/Windows 8.1/Windows 2012 R2/Windows 10/ Windows Server 2016 PCL6 GPD - legacy Windows and MAC/Linux-CUPS/other MicroSoft XPS UPD - Microsoft Windows Client Vista/ Windows Server 2008 /Windows 7/ Windows Server 2008 R2/Windows 8/Windows server 2012/Windows 8.1/Windows 2012 R2/Windows 10/ Windows Server 2016 SAP Device Type (SAP R/3 4.6 and higher)

## Security

Common Criteria EAL 2+, E-shredding, HTTPs, Firewall, PIN for Doc Box, User authentication to SDS, Removable hard disk, IPv6, software protection license (integrity checker), user authentication per user role: key operator, system administrator and service representative

## Features

Schedule (8 hours ahead), DocBox for advanced job editing, One queue and job management for copying and printing, Spool-while-rip-while-print-while-clean-up, Multi-job processing, Multitasking (print / copy / scan), JDF connector compatible, Remote Meter Reading, Remote Diagnostics, Remote Software Upgrade and remote control

## Optional licenses

DocBox, Schedule, Colour Scan to file/e-mail, E-shredding, Multiple queues, Streaming printing, Accounting DPLink (integration in customer Xerox infrastructure), KDKlink (integration in customer Kodak infrastructure), PRISMAnalytics Dashboard  
Font sets: Korean, Japanese, Simplified Chinese, Traditional Chinese

## ENVIRONMENTAL

<b>Sound power level</b>	Ready mode: max 33dB Print mode: max 64dB
<b>Ozone emissions</b>	None (engine)
<b>Power requirement</b>	1-Phase, 200 - 240 V; 50/60 Hz
<b>Power consumption</b>	Ready mode: 270W Low power mode: 150W Sleep mode: 4.3W (excl. controller) Operation (duplex): vP115: 1.9 kW vP130: 2.0 kW vP140: 2.2 kW
<b>Optimum temperature &amp; Relative humidity</b>	17° C - 30° C / 20% - 80%
<b>Room ventilation</b>	50 m³ or >2AC/hr at room size > 50 m³

## INTERNAL PAPER MODULE

<b>Paper trays</b>	2 x 1500 sheets (80 gsm) 2 x 500 sheets (80 gsm)
<b>Paper size and weight</b>	50 - 300 gsm A4, B5 and A5 (bulk trays 1+2) 140 x 182 mm - up to 320 x 432 mm (tray 3) 140 x 182 mm - up to 320 x 488 mm (tray 4)
<b>Paper feed technology</b>	Friction feed, Paper Logic from all trays

## EXTERNAL PAPER MODULE

<b>Description</b>	Optional external paper input module with single or dual paper trays
<b>First module</b>	2 x 1700 sheets (80 gsm, all sizes) 2 x 600 sheets (80 gsm, all sizes) Dual configuration: max. up to 3400 sheets (80 gsm, A4) 2 x 600 sheets (80 gsm, all sizes)
<b>Maximum paper capacity</b>	8,000 sheets (A4 80 gsm) / 4,600 sheets (all sizes)
<b>Paper size and weight</b>	50 - 300 gsm 203 x 203 mm - 320 x 488 mm (all trays)
<b>Paper feed technology</b>	Suction feed, Air separation, Paper Logic from all trays
<b>Dimensions (WxDxH)</b>	987 x 743 x 1056 mm
<b>Weight unit</b>	203 kg
<b>Power requirement</b>	90-264 V, 40-67 Hz, 200 W
<b>Features</b>	Automatic paper size detection, Tray-empty detection, On-the-fly paper loading, Paper-level indication, Tab sheet processing, Custom paper size support, Optional dual paper trays

## PRINTING

<b>Job management</b>	DocBox, Queue and History, Waiting Room
<b>Print resolution</b>	Adobe PostScript 3: 1200 x 1200 dpi, 600 x 2400 dpi PCL: 600 x 600 dpi
<b>Maximum printable area</b>	Adobe PostScript 3: 3 mm from side, maximum 308 x 484 mm PCL: 6 mm
<b>Screen frequency</b>	PCL: maximum 106 lpi Adobe PostScript 3: maximum 200 lpi Adobe PostScript 3: 200
<b>Grey levels</b>	PCL: 125



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<b>Features</b>	RIP at rated engine speed, Pre-RIP, Print-while-rip-while-spool (Streaming), Mixplex, Hotfolder & multiple queue support	<b>Acceptable Paper Size</b>	A4R Z-fold: A3, B4
<b>COPYING</b>		<b>Power Source</b>	From Finisher-W1 or Booklet Finisher-W1
<b>Copy resolution</b>	600 x 1200 dpi	<b>Dimension</b>	336 x 793 x 1190 mm
<b>Exposure control</b>	Auto / Manual (9-step scale), Text, Text / Photo, Photo	<b>Weight</b>	Approx 71 kg
<b>Zoom</b>	25 - 400%; automatic	<b>STAPLE FINISHER</b>	
<b>Screen frequency</b>	200 lpi	<b>Basic Information</b>	Staple and stacking finisher
<b>Grey levels</b>	200	<b>Number of Trays</b>	2
<b>Features</b>	Automatic quality optimization for text / photo	<b>Upper Tray (A) Capacity</b>	A4/A4R/A5R 1,000 sheets, A3 1,000 sheets, SRA3/13"x19" 1,000 sheets
<b>SCANNING</b>		<b>Lower Tray (B) Capacity</b>	A4 4,000 sheets, A4R 2,000 sheets, A3 1,500 sheets, SRA3 1,000 sheets
<b>Resolution</b>	75, 100, 150, 200, 300 (default), 600 dpi	<b>Stapled stacking capacity</b>	A4 200 sets or max 3,000 sheet
<b>Colour scanning</b>	Optional License	<b>Stapling Position</b>	Corner, Double
<b>Destination</b>	Scan-to-Email, Scan-to-DocBox, Scan-to-FTP, Scan-to-USB, scan to PDF (DocBox), scan to SMB	<b>Acceptable Paper Weight</b>	50 - 300 gsm
<b>File format</b>	PDF (single-page and multiple-page), TIFF, JPEG / sRGB (colour scanning)	<b>Staple Capacity:</b>	A4: 100 sheets, A3/A4R: 50 sheets
<b>Features</b>	Thumbnail preview (DocBox), Scan profiles, Status overview, Grey level scanning, Scan-once-print-many, Scan-while-warming up, Scan-while-print, Subset-scanning, RGB color scanning, Scan to File mixed sizes, Multi-tasking user interface, Double sheet detection	<b>Power Source</b>	230V x 10A
<b>DUPLEX COLOUR IMAGE READER</b>		<b>Dimension</b>	800 x 792 x 1239 mm
<b>Capacity</b>	200 sheets (80 gsm)	<b>Weight</b>	130 kg
<b>Maximum resolution</b>	600 x 600 dpi	<b>BOOKLET FINISHER</b>	
<b>Maximum scan speed (Duplex)</b>	A4, Black & white/colour, 300 x 300 dpi: up to 139 ipm/136 ipm A4, Black & white, 600 x 600 dpi: up to 139 ipm A4, Colour, 600 x 600 dpi: up to 36 ipm	<b>Basic Information</b>	Same functionality as Finisher W1 and additional saddle stitching and V-folding functionality Up to 100 pages booklet available (2 - 25 sheets) Stack capacity up to 5000 sheets and up to 100 sheets stapled
<b>Auto detectable original size</b>	A3, A4, A4R, A5, A5R, Free sizes (W x L): Min. 140 mm x 128 mm, Max. 432 mm x 305 mm	<b>Number of Trays</b>	2
<b>Paper weight</b>	1-sided: 38 - 220 gsm 2-sided: 38 - 220 gsm	<b>Upper Tray (A) Capacity</b>	1,000 sheets A4/A4R/A5R, 1,000 sheets A3, 1,000 sheets SRA3/13"x19"
<b>DOCUMENT INSERTION UNIT</b>		<b>Lower Tray (B) Capacity</b>	A4 4,000 sheets, A4R 2,000 sheets, A3 1,500 sheets, SRA3 1,000 sheets
<b>Number of Trays</b>	2-bin	<b>Stapled stacking capacity</b>	A4 200 sets or max 3,000 sheet
<b>Tray Capacity</b>	200 sheet / bin	<b>Stapling Position</b>	Corner, Double
<b>Paper Weight</b>	52 - 300 gsm	<b>Acceptable Paper Weight</b>	50 - 300 gsm
<b>Paper Size</b>	A3, A4, A4R, SRA3, 13"x19", Free size (182 x 182 mm to 330.2 x 487.7 mm)	<b>Booklet stitch paper size</b>	A3, A4R, SRA3, 13"x19", Free size 210 x 279.4 mm to 330.2 x 487.7 mm
<b>Power Source / Consumption</b>	230V 10A	<b>V-Folding</b>	Up to 5 sheets
<b>Dimensions</b>	336 mm (746 mm including Tray) x 793 mm x 1407 mm	<b>Power Source</b>	230V x 10A
<b>Weight</b>	Approx 61 kg	<b>Dimension</b>	800 x 792 x 1239 mm
<b>HIGH CAPACITY STACKER</b>		<b>Weight</b>	Approx 180 kg
<b>Stack Tray Capacity</b>	Stack tray: 6,000 sheets (80 gsm) in two stacks of 3,000 sheets each	<b>BOOKLET TRIMMER</b>	
<b>Top Tray Capacity</b>	Top Tray: 200 sheets	<b>One Edge Trimming</b>	Fore-edge
<b>Acceptable Paper Weight</b>	50 - 300 gsm	<b>Trim Width</b>	2 - 28 mm
<b>Acceptable Paper Size</b>	Max defined for main engine. Custom sizes between min. 140 x 182mm up to 320 x 488mm, mixed sizes, tabs and folded sheets 230V 10A (2nd Stacker can get power from 1st Stacker)	<b>Trim Thickness</b>	Up to 50 sheets (includes Cover, by half fold)
<b>Optionals</b>	DFD interface kits for 860 mm and 1002 mm	<b>Acceptable Paper Weight</b>	50 - 300 gsm
<b>Dimension</b>	899 x 745 x 1040 mm	<b>Output Tray Capacity</b>	30 booklets
<b>Weight</b>	Approx 210 kg	<b>Power Source</b>	Booklet finisher W1
<b>PAPER FOLDING UNIT</b>		<b>Dimension</b>	2,095 mm (including joint, conveyer and output tray: 162 mm) x 790 mm x 1,040 mm
<b>Basic Information</b>	Z Fold, C Fold, Zigzag Fold, Double Parallel	<b>Weight</b>	Approx 152 kg
<b>Acceptable Paper Weight</b>	50 - 105 gsm Double parallel: 50 - 90 gsm	<b>TWO-KNIFE BOOKLET TRIMMER</b>	
		<b>Basic Information</b>	Top and Bottom Edge trim
		<b>Trim Width</b>	2 - 15 mm
		<b>Trim Thickness</b>	Up to 50 sheets (includes Cover, by half fold)
		<b>Acceptable Paper Weight</b>	50 - 300 gsm
		<b>Output Tray Capacity</b>	30 booklets
		<b>Power Source</b>	230V x 10A
		<b>Dimension</b>	536 x 770 x 1040 mm
		<b>Weight</b>	Approx 145 kg

# TECHNICAL SPECIFICATIONS

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## PUNCH UNIT

<b>Basic information</b>	Requires either the Booklet Finisher W1 or Staple Finisher W1
<b>Punch Hole type</b>	BTT: 2 holes and 4 holes (FRN) selectable, BU1: 4 holes (Swe)
<b>Acceptable Punch Paper Weight</b>	52 - 300 gsm
<b>Acceptable Punch Paper Size</b>	2 holes: A3, A4, A4R, Free size (182 x 182 to 297 x 432.0 mm) 4 holes: A3, A4, Free size (257 x 182 mm to 297 x 432 mm)
<b>Weight:</b>	Approx 7.7 kg

## MULTIFUNCTIONAL PRO PUNCHER

<b>Basic information</b>	External In-line Punch Unit
<b>Acceptable Paper Weight</b>	75 - 300 gsm (Plain paper), 118 - 300 gsm (Coated paper), 157 - 300 gsm (Crease/ Plain & Coated paper)
<b>Acceptable Paper Size</b>	Punch: A4, A4R, SRA4, A3, SRA3 Crease: A4R, A3, SRA3, 13 x 19
<b>Punch tools</b>	Plastic Comb 21-Hole, Twin Loop 23-Hole (Round/Rectangle), Twin Loop 34-Hole (Round/Square), Color Coil 47-Hole, Velo Bind 12-Hole, Loose Leaf 4-Hole Punch, Loose Leaf 2-Hole Punch, Loose Leaf 4-Hole (Swedish), Loose Leaf 3-Hole, Crease
<b>Power source</b>	230V x 2A
<b>Dimensions</b>	445 mm x 795 mm x 1040 mm
<b>Weight</b>	Approx 102 kg

## DFD ADAPTER

<b>Basic information</b>	Enables DFD connectivity directly beside the engine
<b>Acceptable Paper Weight</b>	Same as engine
<b>Acceptable Paper Size</b>	Same as engine
<b>Optionals</b>	DFD Interface kit for 1002 mm. Standard DFD height is 860 mm.
<b>Power source</b>	230 V x 10 A
<b>Dimensions</b>	300 mm x 745 mm x 1040 mm
<b>Weight</b>	Approx 60 kg

## FINISHER BRIDGE

<b>Basic information</b>	Offers connectivity of Finisher-W1 and Booklet Finisher-W1 with 3rd party DFD finishing equipment. Always in combination with DFD Adapter-A1
<b>Acceptable Paper Weight</b>	Same as engine
<b>Acceptable Paper Size</b>	Same as engine
<b>Power source</b>	Power and control from DFD Adapter-A1
<b>Dimensions</b>	600 mm x 745 mm x 150 mm
<b>Weight</b>	Approx 30 kg

## OUTPUT TRAY

<b>Basic information</b>	Basic tray face-up / face-down stacking
<b>Paper Size</b>	All available size on marking engine
<b>Paper Weight</b>	50 to 300 gsm
<b>Output Capacity</b>	250 sheets at simplex printing/100 sheets at duplex printing
<b>Dimensions</b>	360 mm x 547 mm x 256 mm
<b>Weight</b>	Approx. 4.2 kg

## 3RD PARTY FINISHER

<b>Basic information</b>	The varioPRINT 140 series can be configured also with 3rd party finishing.  Please talk with your Canon representative for more information.
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