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You can read the recommendations in the user guide, the technical guide or the installation guide for LEXMARK C530. You'll find the answers to all your questions on the LEXMARK C530 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual LEXMARK C530
User guide LEXMARK C530
Operating instructions LEXMARK C530
Instructions for use LEXMARK C530
Instruction manual LEXMARK C530

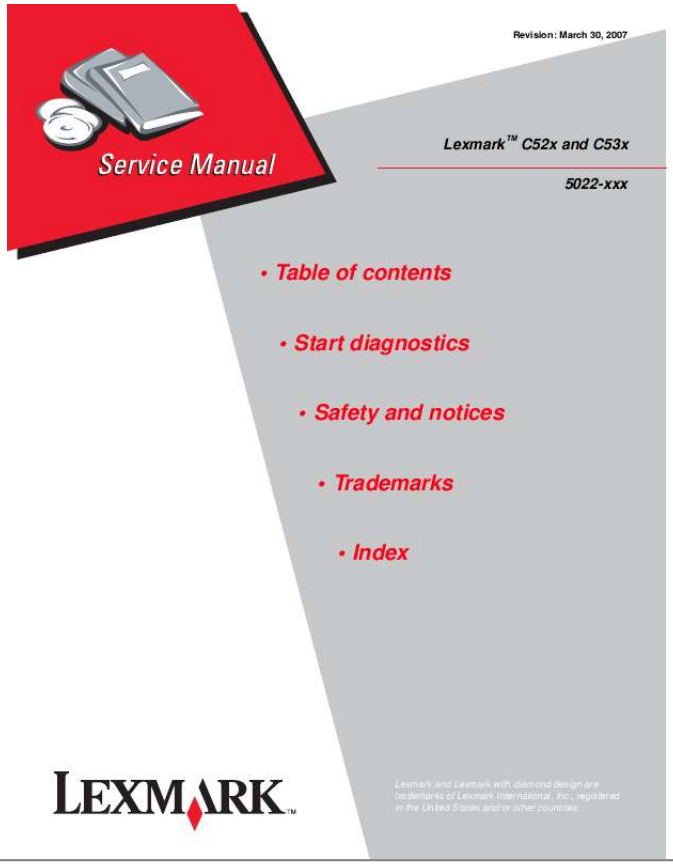

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Table of contents

Laser notices . .
. . . . .
. . . . . .
. . . . . .
. . . . .
. . . . .
. . . . . .
. . . . . .
. ix Safety information. . . .
. . . . .
. . . . . .
. . . . . .
. . . . .
. . . . .
. . . . . .
. . . . . .
. . . . .
. . . . xv Preface .
. . . . . .
. . . . . .
. . . . .
. . . . .
. . . . . .
. . . . . .
. . . . .
. . . . .
. . . . . .
xviii Conventions. . . . . .
. . . . . .
. . . . .
. . . . .
. . . . . .
. . . . . .
. . . . .
. . . . .
. . . . . .
. . xviii General information .....
.....
.....
.....
.....
.....
.....
.....
1-1 Maintenance approach . . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . 1-1 Options and features . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . 1-1 Specifications . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 1-2 Resolution .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 1-2 Data streams . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
1-2 Memory configuration . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
1-2 Performance factors . . . . .
. . . . . .

. . . . . .

. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 1-2 Power requirements . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . 1-3 Electrical specifications . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
1-3 Environment . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . 1-4 Acoustics . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . 1-4 Dimensions . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. 1-5 Media specifications . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .

. . . . . .

. . . . . .
. . . . .
. 1-6 Paper and specialty media guidelines . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . 1-6 Media guidelines . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . 1-6 Unacceptable media . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . 1-7 Selecting media . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . 1-7 Selecting preprinted forms and letterhead . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
1-7 Using media . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . 1-8 Using letterhead . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . 1-8 Using transparencies . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. 1-8 Using envelopes . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . 1-8 Using labels . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 1-9 Using card stock . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 1-9 Storing media . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . 1-10 Supported sizes . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 1-10 Media weight . .
. . . . .

. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . 1-11 Input and output capacities .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 1-12 Print area . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . 1-12 Serial number and machine type . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. 1-13 Tools required for service . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. 1-13 Acronyms . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . 1-14 Diagnostic information . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 2-1 Start .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . 2-1 Paper jam messages (2xx.xx) .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
2-1 Operator panel and menus . . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
2-2 Operator panel . . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 2-2 Buttons and light description . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
2-2 Menus . . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .

. . . . .
. . . . .
. . . 2-4 Power-on self test (POST) sequence . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
2-5 Symptom tables . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . 2-6 Printer symptom table . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . 2-6 Print quality symptom table . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . 2-6 Error codes and messages .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . 2-7 User status and attendance messages .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 2-19 Table of contents iii 5022-xxx Service checks . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .

. . . . . .

. . . . . .
. . . . .
. . .2-27 110.xx--Mirror motor service check .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 2-27 111.xx, 112.xx, 113.
xx, and 114.xx--Printhead error service check . . . .
. . . . .
. . . . . .

. . . 2-27 120.01, 120.02, 120.08120.10, 120.13120.15--Fuser error service check .
. . . . .
. . . . .
. . . . . .2-28 120.03--Fuser error service check . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 2-30 120.04120.07--Fuser error service check . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. 2-30 140.xx--Autocomp (tray 1) motor error service check . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 2-32 142.xx and 906.01906.04--Motor (fuser) error service check . .
. . . . .
. . . . .
. . . . . .

. . . . . 2-33 143.xx--Motor (EP drive assembly top cartridge) error service check . . . .
. . . . .
. . . . .
. . . . . 2-34 144.xx--Motor (EP drive assembly bottom cartridge) error service check . . .

. . . . . .
. . . .2-35 145.
xx and 906.05906.08--Motor (bump aligner) error service check . . .
. . . . . .

. . . . . 2-36 146.xx--Motor (duplex) error service check . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . 2-36 147.
xx, 149.xx--Motor (500-sheet/550-sheet option tray 2 motor) error service check . . . . . 2-37 148.xx--MPF motor error service check .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . .2-37 910.
01--Transparency sensor error service check . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. 2-38 920.01--POST (power on self test) error service check . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . 2-38 920.02--POST (power on self test) error service check . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 2-38 920.03--POST (power on self test) error service check . .

. . . . . .
. . . . .
. . . . .
. . . . . .

2-38 920.04--POST (power on self test) error service check . . . . . .
. . . . .
. . . . .
. . . . . .

. . . 2-39 920.05--POST (power on self test) error service check . . . . . .
. . . . .
. . . . .
.

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. . . . . .

. . . . . 2-39 920.06--POST (power on self test) error service check . . .
. . . . .
. . . . .
. . . . . .

. . . . . 2-40 920.
07--POST (power on self test) error service check . . . . .
. . . . .
. . . . . .

. . . . . .
. . 2-40 920.08--POST (power on self test) error service check . .
. . . . .
. . . . . .

. . . . . .
. . . . .
2-40 920.09-12--POST (power on self test) error service check . . . .
. . . . . .

. . . . . .
. . . . .
2-41 920.13--POST (power on self test) error service check . . . .
. . . . . .

. . . . . .--random marks .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

2-60 Print quality--residual image . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. 2-60 Print quality--solid color page . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. 2-61 Print quality--vertical banding . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. 2-62 iv Service Manual 5022-xxx Diagnostic aids .....
.....
.....
.....

.....
.....
.....
.....

.....
.... 3-1 Accessing service menus .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
3-1 Diagnostics menu . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-15 Sensor Test .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . 3-15 Printer Setup . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 3-16 Defaults .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .

. 3-16 Page Counts . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . 3-16 Serial Number .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. 3-16 Engine Setting 1 through 4 . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . 3-16 Model Name . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 3-16 Configuration ID . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 3-16 EP Setup . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-17 EP Defaults . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

3-17 Fuser Temperature (Fuser Temp) . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . 3-17 DC Charge Adjust, Dev Bias Adj, Transfer Adjust . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. 3-17 Event Log . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

3-18 Display Log . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . 3-18 Print Log . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
3-18 Clear Log . . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 3-19 EXIT DIAGNOSTICS . . . .
. . . . . .

. . . . . .

. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . 3-19 Configuration menu (CONFIG MENU) . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 3-20 Available tests . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . 3-20 Reset Fuser Cnt . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 3-21 Color Lock Out . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. 3-21 Prt Quality Pgs . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-21 Color Trapping . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .

. . . . . .

. 3-21 Size Sensing . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 3-22 Panel Menus . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
3-22 PPDS Emulation . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . 3-22 Download Emuls .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . 3-22 Demo Mode . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-22 Table of contents v 5022-xxx Factory Defaults .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . .3-22 Energy Conserve . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 3-23 Event Log . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
.3-23 Auto Align Adj . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . 3-23 Auto Color Adj . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-23 Enforce Color Order . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-24 Color Alignment .

. . . . . .
. . . . .
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. . .3-24 Motor Calibration . . . . . .
. . . . .

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. . . . . 3-24 Paper Prompts . . . .
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. . . . .
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. 3-24 Env Prompts . . . .
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. . . . . .

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. . . . . .
. . . . .
. . . 3-25 Jobs on Disk . .
. . . . . .

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. . . . . .

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. . . . .
. . . . .
. . . . . 3-25 Disk Encryption . . . . .

. . . . . .
. . . . .
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. . . . .
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3-25 Duplex Gloss . . . . . .
. . . . .
. . . . .
. . . . . .

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. . . . . 3-25 Font Sharpening . . .
. . . . .
. . . . .
. . . . . .

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. . . . .
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. . . . . .

. . . . . .
. 3-26 Exit Config Menu . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
3-26 Paper Jams . . . . .
. . . . . .

. . . . . .
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. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .3-27 Error jam locations . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .3-27 Paper jams in the multipurpose feeder or manual feeder .

. . . . . .
. . . . .
. . . . .
. . . . . .

3-28 Loading media in the multipurpose feeder or manual feeder . . . . . .
. . . . .
. . . . .
. . . . . 3-28 Clearing a paper jam in the multipurpose feeder . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . 3-28 Clearing paper jams in the manual feeder . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . 3-29 Theory of operation .
. . . . .
. . . . . .

. . . . . .

. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
3-30 Paper path . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-30 Main Components .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .3-32 Print media transport . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-33 Mechanical drive . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-37 Paper sensing . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-42 Electrophotographic (EP) process . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 3-44 Main components . . . .

. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 3-44 Charging . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . 3-46 Exposing . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

3-49 Developing . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 3-50 Transferring . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .3-51 Fusing .
. . . . .
. . . . .
. . . . . .

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. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . 3-52 Cleaning . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-53 Electrical interlock . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-54 5 V interlock switch . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 3-54 24 V interlock switch . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . 3-55 Repair information .....

.....
.....
.....
.....

.....
.....
.....
.....

... 4-1 Removal and cleaning precautions . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 4-1 Handling ESD-sensitive parts . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .

. . . . .
. . . . . 4-1 Handing the photoconductor unit . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
4-2 Transportation/storage . . . . . .

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. . . . .
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4-2 Handling . . . . . .

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. . . . .
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. . . . .
. . . . . .

. . 4-2 Parts not to be touched . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

.4-2 Adjustments . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . 4-3 Printhead alignment .
. . . . .
. . . . . .

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. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. 4-3 Overview . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

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. . . . .
. . . . .
. . .4-3 Printhead mechanical alignment . . . . . .

. . . . . .
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. . 4-3 Skew (black) . . .
. . . . .
. . . . . .

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. . . . .
. . . . .
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. . . . . .
. . . . .
. 4-6 Registration (black) . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . 4-8 Alignment (cyan, yellow, and magenta) .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 4-10 Printer removal procedures . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .4-13 Precautions to take before maintenance work . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-13 Cover removals . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
4-14 Exit tray cover removal . . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .4-15 Front access door cover assembly removal . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . 4-16 Gearbox shield removal .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . 4-19 vi Service Manual 5022-xxx Left cover removal . . .
. . . . . .

. . . . . .
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. . . . . .
. . . . .
. . . . 4-20 Operator panel outer bezel removal .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-21 Operator panel inner bezel removal--models C52x only . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-22 Operator panel assembly removal . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 4-23 Paper tray dust cover removal . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . 4-24 Rear cover removal . . .
. . . . . .

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. . . . .
. . . . .
. . . . . .

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. . . . .
. . . 4-25 Right cover removal . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . 4-26 Top access cover assembly removal--model C52x only . .
. . . . . .

. . . . . .
. . . . .
. . . 4-28 Top access cover assembly removal--model C53x only . .
. . . . . .

. . . . . .
. . . . .
. . . 4-32 Bin full sensor removal--models C52x . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . 4-37 Bin full sensor removal--models C53x . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . 4-38 Bump aligner gear removal . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . 4-39 Bump aligner motor removal . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-40 Bump aligner rollers and springs removal--models C53x . . . . .
. . . . .
. . . . .
. . . . . .

. . . . 4-42 Contact springs removal . . . . . .
. . . . .
. . . . .
. . . . . .

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. . . . .
. . . . .

. . . . . .

. 4-44 Deflector assembly removal--models C53x only . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-46 Electrophotographic (EP) drive assembly removal--model C52x only . .
. . . . .
. . . . .
. . . . . 4-48 Electrophotographic (EP) drive assembly removal--model C53x only . . .

. . . . . .
. . . . .
. 4-51 Front access door 5 V interlock switch removal . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . 4-54 Front door assembly removal . . . . . .

. . . . . .
. . . . .
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. . . . . .
. . . . .
4-55 Front door assembly front cable removal . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 4-59 Fuser removal . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . 4-60 Fuser cable cover removal . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 4-61 High voltage power supply (HVPS) removal . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-62 Left bellcrank removal .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-64 Low voltage power supply (LVPS) removal . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . 4-65 Multipurpose feeder (MPF) swing arm assembly removal--models C52x only .
. . . . . .

. 4-67 Paper pick mechanism assembly removal . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . 4-68 Photoconductor unit removal . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-70 Pick roll rubber tires removal and replacement . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . 4-71 Printer pad removal .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
4-73 Printhead removal, installation, and adjustment . . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . 4-74 Printhead removal . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. 4-74 Printhead installation . . . . . .

. . . . . .
. . . . .

. . . . .
. . . . . .

. . . . . .
. . . . .
. 4-77 Printhead alignment . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . 4-81 Skew (black) . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . 4-81 Registration (black) .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. 4-84 Alignment (cyan, yellow, and magenta) . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . 4-86 Right bellcrank removal . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
4-90 Smart chip card removal--models C52x only . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

4-91 System card removal . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

4-92 System card support shield removal . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . 4-94 Toner level sensor removal . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. 4-96 Top access door 24 V interlock switch removal . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . 4-98 Top cover camshaft assembly removal .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . 4-99 Transfer belt removal . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . 4-103 Transfer contact assembly removal . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . 4-104 Waste toner assembly removal . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 4-105 Locations and connectors ..
.....
.....
.....

.....
.....
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..... 5-1 5-1 5-1 5-2 5-3 5-4 5-5 5-6 5-7 5-8 Locations .

. . . . .
. . . . .
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. . . . .
. . . . .
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. . . . .
. . . *Covers* . . . . . .

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. . . . CRU and FRUs .
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. . . . . .
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. . . . .
. . . . .
. . . . . Sensors . . . . .

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. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . Table of contents vii 5022-xxx Motors . . .
. . . . .
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. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
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. . . . .
5-9 Printer cards . . . . . .

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. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 5-10 Connectors . . .

. . . . . .
. . . . .
. . . . .
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. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
5-11 System card (network)--models C52x . . . . .
. . . . .
. . . . . .

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. . . . .
. . . . .
. . . . . 5-11 System card (non-network)--models C52x . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .5-12 Connector listing--models C52x . .
. . . . .
. . . . .
. . . . . .

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. . . . .
. . . . .
. . . . . .5-13 System card (network)--models C53x .

. . . . . .
. . . . .
. . . . .
. . . . . .

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. . . . .
5-18 Connector listing--models C53x . . . . .
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. . . . . .5-19 Preventive maintenance ....
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..... 6-1 Scheduled maintenance .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
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. . . . . .

. . . . . .
. .6-1 Parts catalog. . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 7-1 How to use this parts catalog . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 7-1 Assembly 1: Covers. . .

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. . . . .
. . . . .
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. . . . .
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. . 7-2 Assembly 2: Front . . . . . .
. . . . .
. . . . .
. . . . . .

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. . . . . 7-4 Assembly 3: Right . .
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. . . . .
. . . . . .

. . . . . .
. . . . .
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. . . . . .
. . . . 7-6 Assembly 4: Rear.
. . . . .
. . . . . .

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. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. 7-8 Assembly 5: Left . . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 7-10 Assembly 6: Top . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . 7-12 Assembly 7: Customer replaceable units (CRUs) . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . 7-14 Assembly 8: Contact springs . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . 7-16 Assembly 9: Cable parts packet. .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . 7-18 Assembly 10: Miscellaneous . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . 7-20 Index . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .

. . .I-1 Part number index . . . . . .
. . . . .
. . . . .
. . . . . .

. . . . . .
. . . . .
. . . . .
. . . . . .I-7 viii Service Manual 5022-xxx Laser notices Laser notice The printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter J for Class I (1) laser products, and elsewhere is certified as a Class I laser product conforming to the requirements of IEC 60825-1.

Class I laser products are not considered to be hazardous. The printer contains internally a Class IIIb (3b) laser that is nominally a 5 milliwatt gallium arsenide laser operating in the wavelength region of 770-795 nanometers. The laser system and printer are designed so there is never any human access to laser radiation above a Class I level during normal operation, user maintenance, or prescribed service condition. Laser Der Drucker erfüllt gemäß amtlicher Bestätigung der USA die Anforderungen der Bestimmung DHHS (Department of Health and Human Services) 21 CFR Teil J für Laserprodukte der Klasse I (1). In anderen Ländern gilt der Drucker als Laserprodukt der Klasse I, der die Anforderungen der IEC (International Electrotechnical Commission) 60825-1 gemäß amtlicher Bestätigung erfüllt. Laserprodukte der Klasse I gelten als unschädlich. Im Inneren des Druckers befindet sich ein Laser der Klasse IIIb (3b), bei dem es sich um einen Galliumarsenlaser mit 5 Milliwatt handelt, der Wellen der Länge 770-795 Nanometer ausstrahlt. Das Lasersystem und der Drucker sind so konzipiert, daß im Normalbetrieb, bei der Wartung durch den Benutzer oder bei ordnungsgemäßer Wartung durch den Kundendienst Laserbestrahlung, die die Klasse I übersteigen würde, Menschen keinesfalls erreicht. Avis relatif à l'utilisation de laser Pour les Etats-Unis : cette imprimante est certifiée conforme aux provisions DHHS 21 CFR alinéa J concernant les produits laser de Classe I (1). Pour les autres pays : cette imprimante répond aux normes IEC 60825-1 relatives aux produits laser de Classe I.
Les produits laser de Classe I sont considérés comme des produits non dangereux. Cette imprimante est équipée d'un laser de Classe IIIb (3b) (arséniure de gallium d'une puissance nominale de 5 milliwatts) émettant sur des longueurs d'onde comprises entre 770 et 795 nanomètres. L'imprimante et son système laser sont conçus pour impossible, dans des conditions normales d'utilisation, d'entretien par l'utilisateur ou de révision, l'exposition à des rayonnements laser supérieurs à des rayonnements de Classe I . Laser notices ix 5022-xxx Avvertenze sui prodotti laser Questa stampante è certificata negli Stati Uniti per essere conforme ai requisiti del DHHS 21 CFR Sottocapitolo J per i prodotti laser di classe 1 ed è certificata negli altri Paesi come prodotto laser di classe 1 conforme ai requisiti della norma CEI 60825-1. I prodotti laser di classe non sono considerati pericolosi.
La stampante contiene al suo interno un laser di classe IIIb (3b) all'arseniuro di gallio della potenza di 5mW che opera sulla lunghezza d'onda compresa tra 770 e 795 nanometri. Il sistema laser e la stampante sono stati progettati in modo tale che le persone a contatto con la stampante, durante il normale funzionamento, le operazioni di servizio o quelle di assistenza tecnica, non ricevano radiazioni laser superiori al livello della classe 1. Avisos sobre el láser Se certifica que, en los EE.UU., esta impresora cumple los requisitos para los productos láser de Clase I (1) establecidos en el subcapítulo J de la norma CFR 21 del DHHS (Departamento de Sanidad y Servicios) y, en los demás países, reúne todas las condiciones expuestas en la norma IEC 60825-1 para productos láser de Clase I (1).
Los productos láser de Clase I no se consideran peligrosos. La impresora contiene en su interior un láser de Clase IIIb (3b) de arseniuro de galio de funcionamiento nominal a 5 milivatios en una longitud de onda de 770 a 795 nanómetros. El sistema láser y la impresora están diseñados de forma que ninguna persona pueda verse afectada por ningún tipo de radiación láser superior al nivel de la Clase I durante su uso normal, el mantenimiento realizado por el usuario o cualquier otra situación de servicio técnico. Declaração sobre Laser A impressora está certificada nos E.U.A. em conformidade com os requisitos da regulamentação DHHS 21 CFR Subcapítulo J para a Classe I (1) de produtos laser. Em outros locais, está certificada como um produto laser da Classe I, em conformidade com os requisitos da norma IEC 60825-1. Os produtos laser da Classe I não são considerados perigosos. Internamente, a impressora contém um produto laser da Classe IIIb (3b), designado laser de arseneto de potássio, de 5 milliwatts ,operando numa faixa de comprimento de

onda entre 770 e 795 nanómetros.

O sistema e a impressora laser foram concebidos de forma a nunca existir qualquer possiblidade de acesso humano a radiação laser superior a um nível de Classe I durante a operação normal, a manutenção feita pelo utilizador ou condições de assistência prescritas. x Service Manual 5022-xxx Laserinformatie De printer voldoet aan de eisen die gesteld worden aan een laserprodukt van klasse I. Voor de Verenigde Staten zijn deze eisen vastgelegd in DHHS 21 CFR Subchapter J, voor andere landen in IEC 60825-1.

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Laserprodukten van klasse I worden niet als ongevaarlijk aangemerkt. De printer is voorzien van een laser van klasse IIIb (3b), dat wil zeggen een gallium arsenide-laser van 5 milliwatt met een golflengte van 770-795 nanometer. Het lasergedeelte en de printer zijn zo ontworpen dat bij normaal gebruik, bij onderhoud of reparatie conform de voorschriften, nooit blootstelling mogelijk is aan laserstraling boven een niveau zoals voorgeschreven is voor klasse 1. Lasermeddelelse Printeren er godkendt som et Klasse I-laserprodukt, i overenstemmelse med kravene i IEC 60825-1. Klasse I-laserprodukter betragtes ikke som farlige. Printeren indeholder internt en Klasse IIIB (3b)-laser, der nominelt er en 5 milliwatt galliumarsenid laser, som arbejder på bølgelængdeområdet 770-795 nanometer. Lasersystemet og printeren er udformet således, at mennesker aldrig udsættes for en laserstråling over Klasse I-niveau ved normal drift, brugervedligeholdelse eller obligatoriske servicebetingelser.

Huomautus laserlaitteesta Tämä kirjoitin on Yhdysvalloissa luokan I (1) laserlaitteiden DHHS 21 CFR Subchapter J -määrityksen mukainen ja muualla luokan I laserlaitteiden IEC 60825-1 -määrityksen mukainen. Luokan I laserlaitteiden ei katsota olevan vaarallisia käyttäjälle. Kirjoittimessa on sisäinen luokan IIIb (3b) 5 milliwatin galliumarsenidilaser, joka toimii aaltoalueella 770 - 795 nanometriä. Laserjärjestelmä ja kirjoitin on suunniteltu siten, että käyttäjä ei altistu luokan I määrityksiä voimakkaammalle säteilylle kirjoittimen normaalin toiminnan, käyttäjän tekemien huoltotoimien tai muiden huoltotoimien yhteydessä. VARO! Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle.

Älä katso säteeseen. VARNING! Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. Laser notices xi 5022-xxx Laser-notis Denna skrivare är i USA certifierad att motsvara kraven i DHHS 21 CFR, underparagraf J för laserprodukter av Klass I (1). I andra länder uppfyller skrivaren kraven för laserprodukter av Klass I enligt kraven i IEC 60825-1.

Laserprodukter i Klass I anses ej hälsovådliga. Skrivaren har en inbyggd laser av Klass IIIb (3b) som består av en laserenhet av gallium-arsenid på 5 milliwatt som arbetar i våglängdsområdet 770-795 nanometer. Lasersystemet och skrivaren är utformade så att det aldrig finns risk för att någon person utsätts för laserstrålning över Klass I-nivå vid normal användning, underhåll som utförs av användaren eller annan föreskriven serviceåtgärd. Laser-melding Skriveren er godkjent i USA etter kravene i DHHS 21 CFR, underkapittel J, for klasse I (1) laserprodukter, og er i andre land godkjent som et Klasse I-laserprodukt i samsvar med kravene i IEC 60825-1. Klasse I-laserprodukter er ikke å betrakte som farlige. Skriveren inneholder internt en klasse IIIb (3b)-laser, som består av en gallium-arsenlaserenhet som avgir stråling i bølgelengdeområdet 770-795 nanometer. Lasersystemet og skriveren er utformet slik at personer aldri utsettes for laserstråling ut over klasse I-nivå under vanlig bruk, vedlikehold som utføres av brukeren, eller foreskrevne serviceoperasjoner. Avís sobre el Làser Segons ha estat certificat als Estats Units, aquesta impressora compleix els requisits de DHHS 21 CFR, apartat J, pels productes làser de classe I (1), i segons ha estat certificat en altres llocs, és un producte làser de classe I que compleix els requisits d'IEC 60825-1. Els productes làser de classe I no es consideren perillosos. Aquesta impressora conté un làser de classe IIIb (3b) d'arseniür de gal.

li, nominalment de 5 mil.liwats, i funciona a la regió de longitud d'ona de 770-795 nanòmetres. El sistema làser i la impressora han sigut concebuts de manera que mai hi hagi exposició a la radiació làser per sobre d'un nivell de classe I durant una operació normal, durant les tasques de manteniment d'usuari ni durant els serveis que satisfacin les condicions prescrites. xii Service Manual 5022-xxx Japanese Laser Notice Laser notices xiii 5022-xxx Korean Laser Notice xiv Service Manual 5022-xxx Safety information · The safety of this product is based on testing and approvals of the original design and specific · · · components. The manufacturer is not responsible for safety in the event of use of unauthorized replacement parts. The maintenance information for this product has been prepared for use by a professional service person and is not intended to be used by others. There may be an increased risk of electric shock and personal injury during disassembly and servicing of this product. Professional service personnel should understand this and take necessary precautions. CAUTION: When you see this symbol, there is a danger from hazardous voltage in the area of the product where you are working. Unplug the product before you begin, or use caution if the product must receive power in order to perform the task.

Consignes de sécurité · La sécurité de ce produit repose sur des tests et des · · · agréations portant sur sa conception d'origine et sur des composants particuliers. Le fabricant n'assume aucune responsabilité concernant la sécurité en cas d'utilisation de pièces de rechange non agréées. Les consignes d'entretien et de réparation de ce produit s'adressent uniquement à un personnel de maintenance qualifié. Le démontage et l'entretien de ce produit pouvant présenter certains risques électriques, le personnel d'entretien qualifié devra prendre toutes les précautions nécessaires. ATTENTION : Ce symbole indique la présence d'une tension dangereuse dans la partie du produit sur laquelle vous travaillez.

Débranchez le produit avant de commencer ou faites preuve de vigilance si l'exécution de la tâche exige que le produit reste sous tension. Norme di sicurezza · La sicurezza del prodotto si basa sui test e sull'approvazione del progetto originale e dei componenti · · · specifici. Il produttore non è responsabile per la sicurezza in caso di sostituzione non autorizzata delle parti. Le informazioni riguardanti la manutenzione di questo prodotto sono indirizzate soltanto al personale di assistenza autorizzato.

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Durante lo smontaggio e la manutenzione di questo prodotto, il rischio di subire scosse elettriche e danni alla persona è più elevato. Il personale di assistenza autorizzato deve, quindi, adottare le precauzioni necessarie. ATTENZIONE: Questo simbolo indica la presenza di tensione pericolosa nell'area del prodotto. Scollegare il prodotto prima di iniziare o usare cautela se il prodotto deve essere alimentato per eseguire l'intervento. Safety information xv 5022-xxx Sicherheitshinweise · Die Sicherheit dieses Produkts basiert auf Tests und Zulassungen des ursprünglichen Modells und · · · bestimmter Bauteile. Bei Verwendung nicht genehmigter Ersatzteile wird vom Hersteller keine Verantwortung oder Haftung für die Sicherheit übernommen. Die Wartungsinformationen für dieses Produkt sind ausschließlich für die Verwendung durch einen Wartungsfachmann bestimmt. Während des Auseinandernehmens und der Wartung des Geräts besteht ein zusätzliches Risiko eines elektrischen Schlags und körperlicher Verletzung. Das zuständige Fachpersonal sollte entsprechende Vorsichtsmaßnahmen treffen. ACHTUNG: Dieses Symbol weist auf eine gefährliche elektrische Spannung hin, die in diesem Bereich des Produkts auftreten kann. Ziehen Sie vor den Arbeiten am Gerät den Netzstecker des Geräts, bzw.

arbeiten Sie mit großer Vorsicht, wenn das Produkt für die Ausführung der Arbeiten an den Strom angeschlossen sein muß. Pautas de Seguridad · La seguridad de este producto se basa en pruebas y aprobaciones del diseño original y componentes · · · específicos. El fabricante no es responsable de la seguridad en caso de uso de piezas de repuesto no autorizadas. La información sobre el mantenimiento de este producto está dirigida exclusivamente al personal cualificado de mantenimiento. Existe mayor riesgo de descarga eléctrica y de daños personales durante el desmontaje y la reparación de la máquina. El personal cualificado debe ser consciente de este peligro y tomar las precauciones necesarias. PRECAUCIÓN: este símbolo indica que el voltaje de la parte del equipo con la que está trabajando es peligroso. Antes de empezar, desenchufe el equipo o tenga cuidado si, para trabajar con él, debe conectarlo. Informações de Segurança · A segurança deste produto baseia-se em testes e aprovações do modelo original e de componentes · · · específicos. O fabricante não é responsável pela segunrança, no caso de uso de peças de substituição não autorizadas. As informações de segurança relativas a este produto destinam-se a profissionais destes serviços e não devem ser utilizadas por outras pessoas. Risco de choques eléctricos e ferimentos graves durante a desmontagem e manutenção deste produto. Os profissionais destes serviços devem estar avisados deste facto e tomar os cuidados necessários. CUIDADO: Quando vir este símbolo, existe a possível presença de uma potencial tensão perigosa na zona do produto em que está a trabalhar. Antes de começar, desligue o produto da tomada eléctrica ou seja cuidadoso caso o produto tenha de estar ligado à corrente eléctrica para realizar a tarefa necessária. xvi Service Manual 5022-xxx Informació de Seguretat · La seguretat d'aquest producte es basa en l'avaluació i aprovació del disseny original i els components específics. El fabricant no es fa responsable de les qüestions de seguretat si s'utilitzen peces de recanvi no autoritzades. La informació pel manteniment d'aquest producte està orientada exclusivament a professionals i no està destinada a ningú que no ho sigui. El risc de xoc elèctric i de danys personals pot augmentar durant el procés de desmuntatge i de servei d'aquest producte. El personal professional ha d'estar-ne assabentat i prendre les mesures convenients. PRECAUCIÓ: aquest símbol indica que el voltatge de la part de l'equip amb la qual esteu treballant és perillós. Abans de començar, desendolleu l'equip o extremeu les precaucions si, per treballar amb l'equip, l'heu de connectar. · · · Safety information xvii 5022-xxx Preface This manual contains maintenance procedures for service personnel. It is divided into the following chapters: 1. General information contains a general description of the printer and the maintenance approach used to 2. 3. 4. 5. 6. 7.

repair it. Special tools and test equipment, as well as general environmental and safety instructions, are discussed. Diagnostic information contains an error indicator table, symptom tables, and service checks used to isolate failing field replaceable units (FRUs). Diagnostic aids contains tests and checks used to locate or repeat symptoms of printer problems. Repair information provides instructions for making printer adjustments and removing and installing FRUs. Connector locations uses illustrations to identify the connector locations and test points on the printer. Preventive maintenance contains the lubrication specifications and recommendations to prevent problems. Parts catalog contains illustrations and part numbers for individual FRUs. Conventions Note: A note provides additional information. Warning: A warning identifies something that might damage the product hardware or software. There are several types of caution statements: CAUTION A caution identifies something that might cause a servicer harm. CAUTION This type of caution indicates there is a danger from hazardous voltage in the area of the product where you are working. Unplug the product before you begin, or use caution if the product must receive power in order to perform the task. CAUTION This type of caution indicates a hot surface. CAUTION This type of caution indicates a tipping hazard. xviii Service Manual 5022-xxx 1. General information The LexmarkTM C52x and C53x color laser printers deliver superior text and brilliant graphics. The following models are available. Model name Lexmark C520n Lexmark C522n Lexmark C524 Lexmark C524n Lexmark C524dn Lexmark C530dn Lexmark C532n Lexmark C532dn Lexmark C534n Lexmark C534dn/dtn Configuration Network Network Non-network Network Network Duplex, network Network Duplex, network Network Duplex, network (550-sheet tray) Machine type 5022-010 5022-210 5022-400 5022-410 5022-430 5022-130 5022-310 5022-330 5022-510 5022-530 Maintenance approach The diagnostic information in this manual leads you to the correct field replaceable unit (FRU) or part.

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Use the error code charts, symptom tables, and service checks to determine the symptom and repair the failure.
You may find that the removals in the Repair information chapter will help you identify parts. After you complete the repair, perform tests as needed to verify the repair. Begin at "Start" on page 2-1. Options and features The following options or features are available. Some options are not available in every country. Contact your point of purchase for options available in your country. · Memory options of 128MB, 256MB, and 512MB SDRAM · Flash memory options of 32MB and 64MB · Hard disk--40GB with adapter (models C524, C524n, and C524dn and models C534n, C534dn, and C534dtn) · Media handling operations 500-sheet optional tray assembly for models C522n, C524, C524n, and C524dn and 550-sheet optional tray assembly for models C532n, C532dn, C534n, and C534dn. Duplex--not an option, available only on models C524dn, C524dtn, C530dn, C532dn, and C534dn/dtn (factory installed). · Integrated network options Token-Ring Ethernet External serial adapter PRESCRIBE card assembly Bar code card assembly Parallel interface card MarkNetTM Print Servers Lexmark PrintCryptionTM card Lexmark Forms card (single-byte and Simplified Chinese) on models C534n, C534dn, and C534dtn General information 1-1 5022-xxx Lexmark Bar Code Card is available on models C534n, C534dn, and C534dtn Lexmark ImageQuickTM Card is available for the models C534n, C534dn, and C534dtn · DBCS font cards Simplified Chinese Traditional Chinese Japanese Korean Specifications Resolution · 1200 x 1200 dpi · 4800CQ Data streams · · · · PostScript 3 emulation PCL 5c and 6 (XL) emulation PDF 1.5 emulation PPDS (if activated) Memory configuration Models C534dn/dtn 256 768 C524dn C530dn C532dn Memory type C520n C522n C524n C524 C532n Standard DRAM (MB) Optional memory (MB) (100 pin DDR SDRAM unbuffered DIMMs) Maximum (MB) Optional flash memory 128 128 64 128 128 128 128 128 128 128, 256, and 512 MB available 640 640 576 640 640 640 640 640 640 32 and 64 MB available Performance factors Performance speed depends on: · · · · · · · Interface to the host (USB, serial, parallel, network) Host system and application Page complexity and content of the page Printer options installed or selected Available memory in the printer Media size and type Resolution 1-2 Service Manual C534n 5022-xxx Power requirements Average nominal power requirements for the base printer configuration (110 volt).

Power levels are shown in watts (W). Maximum current is given in Amperes (A). Lexmark C524, C524n, C524dn, C524dtn Lexmark C534n, C534dn, C534dtn Lexmark C530dn, C532n, C532dn Printing states Lexmark C520n, C522n Idle--average power Power Saver on Power Saver off Printing--average power Basic printer All options 350 W 375 W 350 W 350 W 410 W 410 W 410 W 410 W <18 W 105 W <16 W 105 W <18 W 120 W <17 W 120 W Printing--maximum average current 100 V 110 V 220 V 4.5 A 4.0 A 2.0 A 4.5 A 4.0 A 2.0 A 2.5 A 5.
0 A 5.5 A 2.5 A 5.0 A 5.5 A Electrical specifications Low voltage model · 110 to 127 V ac at 47 to 63 Hz nominal · 99 to 137 V ac, extreme High voltage model · 220 to 240 V ac at 47 to 63 Hz nominal (not available in all countries) · 198 to 259 V ac, extreme 100 V model · 100 V ac at 47 to 63 Hz nominal · 90 to 110 V ac, extreme Notes: · Using a 220 to 110 power converter with the 110 V printer is not recommended.
· Using an inverter (12 V dc to 120 V ac for example) to power the printer is not recommended. General information 1-3 5022-xxx Environment Environment Operating Air Temperature--Product Operating Air Temperature--Product Power Off Air Relative Humidity Wet Bulb Temperature--Product Operating Web Bulb Temperature--Product Power Off Altitude Atmospheric Pressure Ambient Operating Environment Shipping / Storage Cartridges Printer with Cartridges Printer without Cartridges Air Relative Humidity Altitude Web Bulb Temperature--Product Power Off Specifications 15.6 to 32.2° C (60 to 90.0° F) 10.
0 to 40.0° C (50 to 104.0° F) Relative Humidity 8 to 80% 22.8° C (73.0° F) Maximum 26.7° C (80.1° F) Maximum 0 to 3048 meters (10,000 feet) 74.6 kPa 15.6 to 32.2° C (60 to 90°F) and 8% to 80% RH -40° C to +40° C (104° Fahrenheit) -40° C to +40°C (104° Fahrenheit) -40° C to +40°C (104° Fahrenheit) Relative Humidity 8 to 80% 10,300 meters (34,000 feet) 26.

7° C (80.1° F) Maximum In some cases performance specifications (such as paper OCF, EP cartridge usage) are specified to be measured at an ambient condition. Acoustics All measurements are made in accordance with ISO 7779 and conform with ISO 9296. 1-Meter Average Bystander Sound Pressure @4800 CQ 51 dBA 32 dBA 51 dBA 52 dBA 32 dBA 53 dBA 51 dBA 31 dBA 53 dBA 51 dBA 53 dBA 31 dBA 6.7B 6.6B 4.6B 6.7B 6.6B 6.7B 4.
6B Declared Sound Power Level @4800 CQ Printer Operating mode Printing Idle Printing Duplex printing Idle Mono printing C520n, C522n, C524n C524dn, C524dtn C532n, C534n Color printing Idle Mono printing Color printing Duplex printing Idle C530dn, C534dn, C534dtn 1-4 Service Manual 5022-xxx Dimensions Description Basic printer with no extensions Models C520, C522n, C524, C524n, C524dn C532n, C534n C530dn, C532dn, C534dn Printer with exit tray extended C520, C522n, C524, C524n C532n, C534n C530dn, C524dn, C534dn Printer, duplex unit, 500-sheet assembly Printer, duplex unit, 550-sheet assembly Optional 500-sheet assembly only Optional 550-sheet assembly only MPF configuration (printer with multipurpose feeder extended and exit tray extended) Primary tray configuration (printer with paper tray adjuster extended and output bin installed) C524dtn C534dtn C52x models C53x models C52x, C53x models Height 19 in. (484 mm) 19 in. (484 mm) 19 in. (484 mm) 19 in. (484 mm) 19 in.
(484 mm) 19 in. (484 mm) 24 in. (610mm) 24 in. (610mm) 5 in. (127 mm) 5 in.
19 in. (484 mm) Width 17.3 in. (440 mm) 17.3 in. (440 mm) 17.3 in. (440 mm) 17.3 in. (440 mm) 17.

3 in. (440 mm) 17.3 in. (440 mm) 17.3 in. (440 mm) 17.3 in. (440 mm) 16.5 in. (420 mm) 16.
5 in. (420 mm) 17.3 in. (440 mm) Depth 16.1 in.
(408 mm) 16.1 in. (408 mm) 16.1 in. (408 mm) 20.
2 in. (512 mm) 20.2 in. (512 mm) 20.2 in. (512 mm) 22 in. (558 mm) 22 in. (558 mm) 20.4 in. (518 mm) 20.

4 in. 26.6 in. (676 mm) Weight 57.5 lb (26.1 kg) 57.0 lb (25.9 kg) 58.8 lb (26.7 kg) 57.
5 lb (26.1 kg) 57.0 lb (25.9 kg) 58.8 lb (26.
7 kg) 64.8 lb (29.4 kg) 64.0 lb (29.0 kg) 7.
25 lb (3.29 kg) 7.0 lb (3.2 kg) 57.5 lb (26.1 kg) A4/letter size media 19 in. (484 mm) 17.3 in. (440 mm) 20.

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2 in.

(512 mm) -- Legal size media 19 in. (484 mm) 17.3 in. (440 mm) 21.3 in. (540 mm) -- Note: A buffer of 12 in. (304.8 mm) is needed on the back of the printer. General information 1-5 5022-xxx Media specifications Paper and specialty media guidelines Media guidelines Media characteristics The following media characteristics affect print quality and reliability. Consider these characteristics when evaluating new media stock.

Weight The printer can automatically feed media weights from 60 to 176 g/m2 (16 to 47 lb bond) grain long. Media lighter than 60 g/m2 (16 lb) might not be stiff enough to feed properly, causing jams. For best performance, use 90 g/m2 (24 lb bond) grain long media. For media smaller than 182 x 257 mm (7.2 x 10.

1 in.), we recommend 90 g/m2 or heavier media. Curl Curl is the tendency for media to curl at its edges. Excessive curl can cause media feeding problems. Curl can occur after the media passes through the printer, where it is exposed to high temperatures.

Storing media unwrapped in hot, humid, cold, or dry conditions, even in the trays, can contribute to media curling prior to printing and can cause feeding problems. Smoothness Media smoothness directly affects print quality. If media is too rough, toner cannot fuse to it properly. If media is too smooth, it can cause media feeding or print quality issues. Always use media between 100 and 300 Sheffield points; however, smoothness between 150 and 200 Sheffield points produces the best print quality. Moisture content The amount of moisture in media affects both print quality and the ability of the printer to feed the media correctly. Leave media in its original wrapper until it is time to use it. This limits the exposure of media to moisture changes that can degrade its performance. Condition media before printing by storing it in its original wrapper in the same environment as the printer for 24 to 48 hours before printing. Extend the time several days if the storage or transportation environment is very different from the printer environment.

Thick media may also require a longer conditioning period. Grain direction Grain refers to the alignment of the media fibers in a sheet of media. Grain is either grain long, running the length of the media, or grain short, running the width of the media. For 60 to 90 g/m2 (16 to 24 lb bond) media, use grain long fibers. Fiber content Most high-quality xerographic media is made from 100% chemically treated pulped wood. This content provides the media with a high degree of stability resulting in fewer media feeding problems and better print quality. Media containing fibers such as cotton possesses characteristics that can negatively affect media handling. 1-6 Service Manual 5022-xxx Unacceptable media The following media types are not recommended for use with the printer: · Chemically treated media used to make copies without carbon paper, also known as carbonless papers, carbonless copy paper (CCP), or no carbon required (NCR) paper · Preprinted media with chemicals that may contaminate the printer · Preprinted media that can be affected by the temperature in the printer fuser · Preprinted media that requires a registration (the precise print location on the page) greater than ±2.3 mm · · · · · (±0.09 in.

), such as optical character recognition (OCR) forms In some cases, registration can be adjusted with a program to successfully print on these forms. Coated media (erasable bond), synthetic media, thermal media Rough-edged, rough, or heavily textured surface media, or curled media Recycled media containing more than 25% post-consumer waste that does not meet DIN19 309 Media weighing less than 60 g/m2 (16 lb) Multiple-part forms or documents Selecting media Using appropriate media prevents jams and helps ensure trouble-free printing. To help avoid jams and poor print quality: · Always use new, undamaged media. · Before loading media, know the recommended print side of the media. This information is usually indicated on the media package.

· Do not use media that has been cut or trimmed by hand. · Do not mix media sizes, types, or weights in the same source; mixing results in jams. · Do not use coated media unless they are specifically designed for electrophotographic printing. Selecting preprinted forms and letterhead Use these guidelines when selecting preprinted forms and letterhead: · Use grain long papers for best results for 60 to 90 g/m2 weights. · Use only forms and letterhead printed using an offset lithographic or engraved printing process.

· Avoid papers with rough or heavily textured surfaces. Use papers printed with heat-resistant inks designed for use in xerographic copiers. The ink must be able to withstand temperatures up to 180°C (356°F) without melting or releasing hazardous emissions. Use inks that are not affected by the resin in toner. Inks that are oxidation-set or oil-based generally meet these requirements; latex inks might not. When in doubt, contact the paper supplier. Preprinted papers such as letterhead must be able to withstand temperatures up to 180°C (356°F) without melting or releasing hazardous emissions. General information 1-7 5022-xxx Using media Using letterhead Check with the manufacturer or vendor to determine whether the chosen preprinted letterhead is acceptable for laser printers. Page orientation is important when printing on letterhead. Use the following table for help when loading letterhead.

Process or paper source Tray 1 Tray 2 Duplex (two-sided) printing from trays 1 and 2 Multipurpose feeder Manual feeder Duplex (two-sided) printing from the multipurpose feeder Print side Letterhead faceup Letterhead faceup Letterhead facedown Letterhead facedown Letterhead facedown Letterhead faceup Top of page Letterhead goes toward the front of the tray Letterhead goes toward the front of the tray Letterhead goes toward the rear of the tray Letterhead top edge enters first Letterhead top edge enters first Letterhead top edge enters last Using transparencies Print samples on the transparencies being considered for use before buying large quantities. When printing on transparencies: · From MarkVisionTM Professional, the printer software, or the control panel, set the Paper Type to Transparency. · Feed transparencies from the standard tray (Tray 1) or the multipurpose feeder. · Use transparencies designed specifically for laser printers. Check with the manufacturer or vendor to · · · · · ensure transparencies are able to withstand temperatures up to 180°C (356°F) without melting, discoloring, offsetting, or releasing hazardous emissions. Use transparencies that are 0.120.14 mm (4.85.4 mil) in thickness or 161179 g/m 2 in weight.

Print quality and durability depend on the transparencies used.

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To prevent print quality problems, avoid getting fingerprints on the transparencies. Before loading transparencies, fan the stack to prevent sheets from sticking together. We recommend Lexmark part number 12A8240 for letter-size and Lexmark part number 12A8241 for A4-size transparencies. Using envelopes · Print samples on the envelopes being considered for use before buying large quantities.

When printing on envelopes: · From the control panel, set the Paper Source based on the source in use. From the control panel, the printer software, or MarkVision Professional, set the Paper Type to Envelope, and select the envelope size. · Use envelopes designed specifically for laser printers. Check with the manufacturer or vendor to ensure · · the envelopes can withstand temperatures up to 180°C (356°F) without sealing, wrinkling, curling excessively, or releasing hazardous emissions. For the best performance, use envelopes made from 90 g/m 2 (24 lb bond) paper.

Use up to 105 g/m 2 (28 lb bond) weight for envelopes as long as the cotton content is 25% or less. All-cotton envelopes must not exceed 90 g/m2 (24 lb bond) weight. Use only new envelopes. 1-8 Service Manual 5022-xxx · To optimize performance and minimize jams, do not use envelopes that: Have excessive curl or twist Are stuck together or damaged in any way Have windows, holes, perforations, cutouts, or embossing Have metal clasps, string ties, or folding bars Have an interlocking design Have postage stamps attached Have any exposed adhesive when the flap is in the sealed or closed position Have bent corners Have rough, cockle, or laid finishes · Adjust the width guide to fit the width of the envelopes. Note: A combination of high humidity (over 60%) and the high printing temperature may wrinkle or seal envelopes. Using labels Print samples on the labels being considered for use before buying large quantities. For detailed information on label printing, characteristics, and design, see the Card Stock & Label Guide available on the Lexmark Web site at www.lexmark.com/publications. Note: Vinyl labels are not supported on this product.

Use only paper labels. When printing on labels: · From the printer software, MarkVision Professional, or the control panel, set the Paper Type to Labels. · Use only letter-, A4-, and legal-size label sheets. · Use labels designed specifically for laser printers. Check with the manufacturer or vendor to verify that label adhesives, face sheet (printable stock), and topcoats can withstand temperatures up to 180°C (356°F) and pressure up to 30 psi without delaminating, oozing around the edges, or releasing hazardous fumes. Do not use vinyl labels. Do not use labels with slick backing material. Use full label sheets. Partial sheets may cause labels to peel off during printing, resulting in a jam. Partial sheets also contaminate the printer and the cartridge with adhesive, and could void the printer and cartridge warranties.

Do not print within 1 mm (0.04 in) of the edge of the label, of the perforations, or between die-cuts of the label. Be sure adhesive backing does not reach to the sheet edge. Zone coating of the adhesive at least 1 mm (0.04 in) away from edges is recommended.

Adhesive material contaminates the printer and could void the warranty. If zone coating of the adhesive is not possible, remove a 3 mm (0.125 in.) strip on the leading and driver edge, and use a non-oozing adhesive. Portrait orientation works best, especially when printing bar codes.

Do not use labels with exposed adhesive. · · · · · · · Using card stock Card stock is heavy, single-ply print media. Many of its variable characteristics, such as moisture content, thickness, and texture, can significantly impact print quality. Print samples on the card stock being considered for use before buying large quantities. When printing on card stock: · From MarkVision Professional, the printer software, or the control panel: Set the Paper Type to Card Stock. Set the Paper Weight to Card Stock Weight. Set the Card Stock Weight to Normal or Heavy. General information 1-9 5022-xxx · Be aware that preprinting, perforation, and creasing may significantly affect the print quality and cause jams or other paper handling problems. · Check with the manufacturer or vendor to ensure the card stock can withstand temperatures up to 180°C (356°F) without releasing hazardous emissions. · Do not use preprinted card stock manufactured with chemicals that may contaminate the printer.

Preprinting introduces semi-liquid and volatile components into the printer. · Use grain long card stock when possible. Storing media Use these media storage guidelines to help avoid jams and uneven print quality: · · · · For best results, store media where the temperature is 21°C (70°F) and the relative humidity is 40%. Store media in cartons when possible, on a pallet or shelf, rather than on the floor. Store individual packages of media on a flat surface. Do not store anything on top of individual media packages. Supported sizes The following tables provide information on standard and optional sources for both input and output trays and bins. Manual Feed Slot 250 Tray A4 210 x 297 mm A5 148 x 210 mm JIS B5 182 x 257 mm Statement1 5.5 x 8.5 in.

Letter 8.5 x 11 in. Folio1 8.5 x 13 in. MPF Media Sizes Legal 8.

5 x 14 in. Executive 7.25 x 10.5 in. Universal1 (width) 123.

8 to 215.9 x 355.6 mm; 3.875 x 4.875 to 8.5 x 14 in. 152.4 to 215.9 x 355.6 mm; 3.

875 x 6 to 8.5 x 14 in. 139.7 x 210 to 215.9 x 355.6 mm; 5.5 x 8.27 to 8.5 x 14 in. 148 x 210 to 215.

9 x 355.6 mm; 5.83 x 8.27 to 8.5 x 14 in.

7 3/4 Envelope 3 7/8 x 7 1/2 in. 9 Envelope 3 7/8 x 8 7/8 in. 10 Envelope 4 1/8 x 9 1/2 in. DL Envelope 110 x 220 mm C5 Envelope 162 x 229 mm 1-10 Service Manual 500 Tray Duplex 5022-xxx MPF Media Sizes (continued) B5 Envelope 176 x 250 mm Other Envelope 60.5 to 215.

9 mm 97.4 to 215.9 mm 1 Lower feed reliability might be encountered when using non-standard media sizes. Media weight Size Type Weight 16 to 47 lb (60 to 177 g/m2) 24 to 58 lb (90 to 218 g/m2) 20 to 47lb (75 to 177 g/m2) 28 to 58 lb (105 to 218g/m2) 50 lb/65 lb (135 g/m2 / 176 g/m 2) 67 lb/90 lb (120 g/m2 / 163 g/m 2) 74 lb/100 lb (120 g/m2 / 163 g/m 2) 161 to 179 g/m2 Primary tray and 500-sheet optional tray Letter, Legal, A4 Xerographic and Bonds Recycled Long Grain Short Grain Long Grain Short Grain Card Stock Cover (long and short) Index Tag Transparency 0.12 to 0.14 mm 4.8 to 5.4 mil A5, B5, JIS-B5, Exec., Statement, Folio Xerographic and Bonds Long Grain Short Grain Long Grain Short Grain Long Grain Short Grain Card Stock (long/short) Cover Index Tag Labels (max) Letter, Legal, A4 (continued) Transparency Paper Vinyl Thickness: 0.

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