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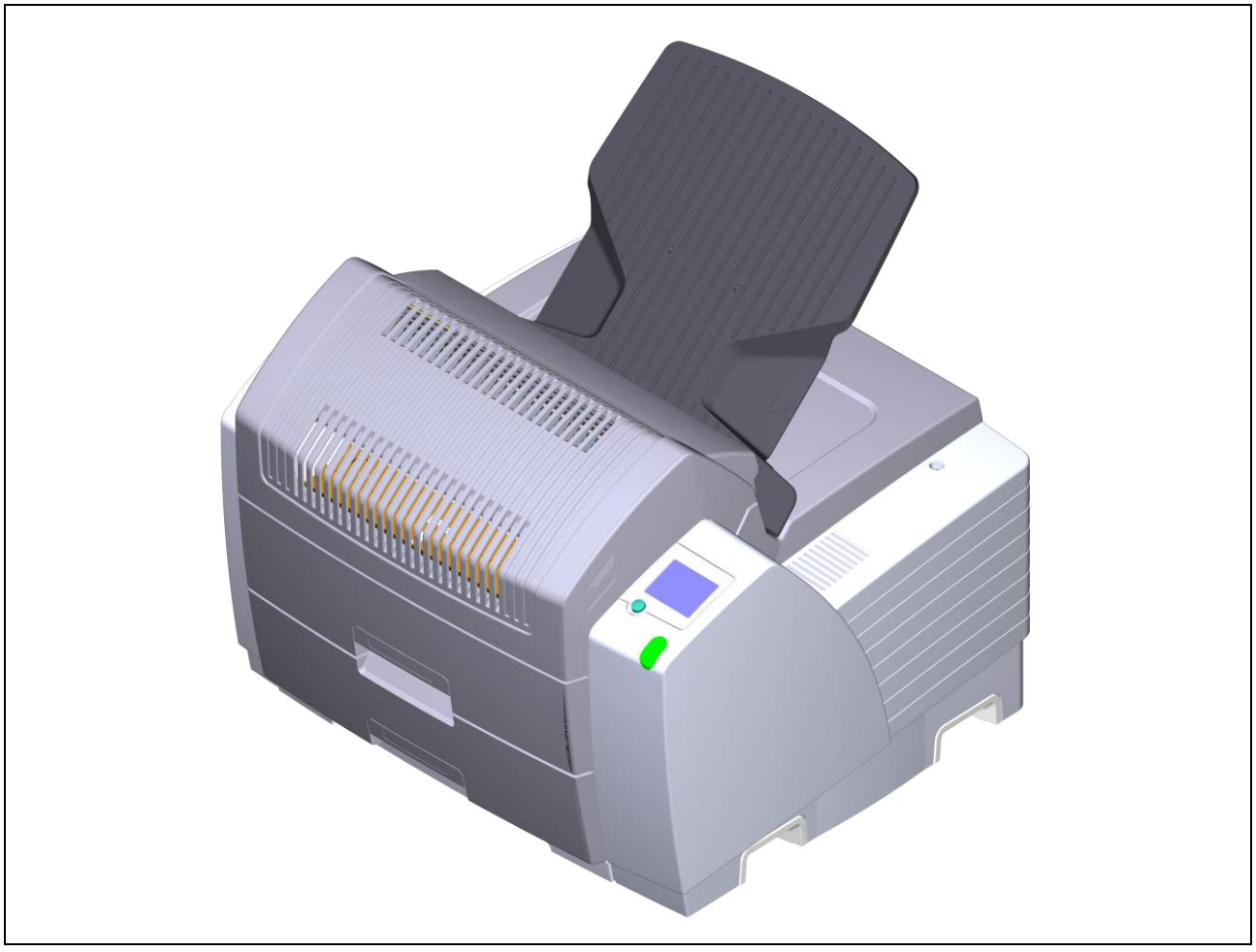
DRYSTAR 5302, DRYSTAR 5301, DRY IMAGER, CRYSTAL IMAGER, DRYSTAR 5302 XL, DRYSTAR 5301 XL, DRY 2.4, DRY 1.4, DRYSTAR AXYS, CRYSTAL-M IMAGER, DRYSTAR AXYS XL, DRY 2.4M

Type 5366/100/101/110/300/400/410/500/510 and 5367/100/300/400/500

Includes the Maintenance Checklist, attached in chapter 9.5.3.



► Manufacturer

Agfa NV

Published by

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WARNING:

Improper operation or service activities may cause damage or injuries.

(1) Read the "Generic Safety Directions" prior to attempting any operation, repair or maintenance task on the equipment.
Refer to Document ID 11849633.

(2) Strictly observe all safety directions within the "Generic Safety Directions" and on the product.

IMPORTANT:

The installation and service of the product(s) described herein is to be performed by qualified personnel who are employed by Agfa NV or one of its affiliates or who are otherwise authorized by Agfa NV or one of its affiliates to provide such services.

LIST OF CONTENTS

0 About this manual

0.1 Purpose of this document

This document contains all information that service engineers need for installation as well as for corrective and preventive maintenance of the DRYSTAR 5302, DRYSTAR 5301, DRY IMAGER, CRYSTAL IMAGER, DRYSTAR 5302 XL, DRYSTAR 5301 XL, DRY 2.4, DRY 1.4, DRYSTAR AXYS, CRYSTAL-M IMAGER, DRYSTAR AXYS XL, DRY 2.4M.

It does **not** contain:

- Specific service information for other target readers, for example Clinical Application Specialists or Service Managers
- Service Bulletins

0.2 Changes compared to previous revision

Revision 5:

- Updated chapter 1.4
- Added chapter 1.4.3: Tray detection sensors in printers with SN 151.001/751.001
- Adapted chapter 1.6: Overview of major hardware changes
- Added Release Information in chapters 10.32, 10.33, 10.34
- Added chapters 13.9, 13.10, 13.11: Wiring diagrams of printers with SN ≥ 151.001/751.001

0.3 Referenced documents

Document	Reference
List of Service Documents,	Document ID 62000370
Generic Safety Directions	Document ID 11849633
User Manuals	Section 3.1.3
Additional documents are referenced in the corresponding sections.	

0.4 Explanation of notes

Safety-relevant Notes		
Icon	**Signal Word**	**Situation**
	**CAUTION:**	Hazardous situation which, if not avoided, can lead to a minor injury to a user, engineer, patient or any other person.
	**WARNING:**	Hazardous situation which, if not avoided, can lead to a potential serious injury to a user, engineer, patient or any other person.
	**DANGER:**	Direct, immediate danger: If not avoided, it can lead to a serious injury to a user, engineer, patient or any other person
	-	Instruction to avoid damage to equipment and/or environmental pollution.
	-	Prohibition to avoid damage to equipment and/or environmental pollution.

None-Safety-relevant Notes		
Icon	**Name**	**Type of Information**
	IMPORTANT:	Highlights very important actions which have to be carried out to prevent malfunction.
	NOTE:	• Indicates advice to facilitate the following step or action without having a direct influence on the step or action. • Highlights unusual points. • Indicates background information. • Can be used to explain or highlight displays of the graphical user interface.

0.5 Conventions

Highlighting of tasks		
Task number	**Task Description**	**Remark**
(1)	Connect the cable.	Examples for working steps to be performed in the listed sequence.
(2)	Switch the machine on.	

Highlighting of buttons, functions and names within a task	
(1) Press **F9** or double-click the **Refresh** button.	The **bold** typeface is used for menu topics, keyboard keys, icons, device buttons, commands etc.
(2) If the **`Install client or server?`** prompt appears, type **server**.	The **`Courier New bold`** typeface is used for system messages and prompts.

1 Product description

1.1 Intended use

The intended use statement is listed in the User Manual of the printer.

1.2 Type overview

The printer is available in several variants.

Main difference is the print head resolution (320 or 508 dpi (dots per inch)) and number of film trays (1 or 2).

Printer name	Type	DPI	Number of film trays
DRYSTAR 5302	Type 5366/100	320	2
DRY IMAGER	Type 5366/101	320	2
DRYSTAR 5301	Type 5366/110	320	1
CRYSTAL IMAGER	Type 5366/300	320	2
DRYSTAR 5302 XL	Type 5366/400	320	2
DRYSTAR 5301 XL	Type 5366/410	320	1
DRY 2.4	Type 5366/500	320	2
DRY 1.4	Type 5366/510	320	1
DRYSTAR AXYS	Type 5367/100	508	2
CRYSTAL-M IMAGER	Type 5367/300	508	2
DRYSTAR AXYS XL	Type 5367/400	508	2
DRY 2.4M	Type 5367/500	508	2

1.3 Main printer characteristics

Purpose of the printer type 5366

- Medium resolution (320 dpi) DICOM network dry printer for 14x17", 14x14", 14x11", 10x12", 8x10" DT2 blue base or clear base films

Purpose of the printer type 5367

- High resolution (508 dpi) DICOM network dry printer for:
  - 14x17", 14x14", 14x11", 10x12", 8x10" DT2 blue base or clear base films
  - 14x11", 10x12", 8x10" DT2 Mammo blue base films

Printing principle

- Direct thermal on thermo-sensitive, dry films
- 1 or 2 input trays and 1 output tray

Main application printer type 5365

- Well suited to all medical applications, especially CR and DR applications. Cannot be used for mammography.

Main application printer type 5367

- Well suited to all medical applications, especially Mammo, CR and DR applications.

Connections

- 1 Gb/s Network connection (Default: Automatic detection of 10Mb/s and 100Mb/s network is enabled, automatic detection of 1Gb/s network is disabled)

Service Concept

- Customer installable
- No service PC needed for basic installation, maintenance and service, but is convenient for entering detailed host profile settings.
- Strict modular design: Production assemblies = service assemblies
- All switches, sensors and motors are monitored via current measurement on main engine board (Devil / Devius and Devnix PCB*)
- If online diagnosis does not detect the exact reason for the error, an offline check of the modules can be performed via browser pages

  *see overview of boards