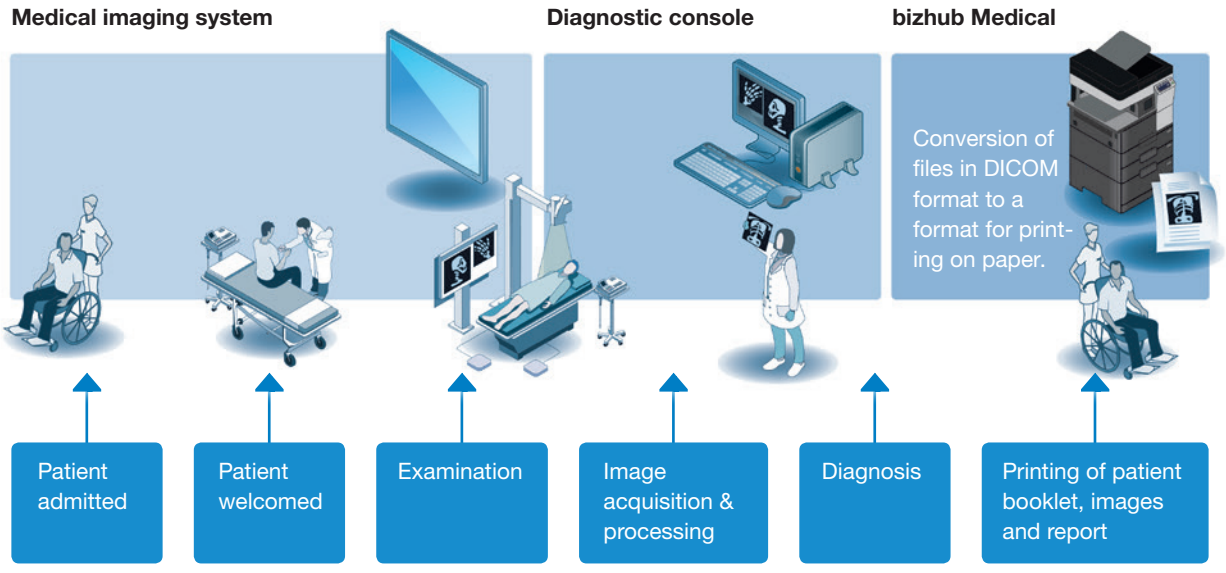
KONICA MINOLTA

DIGITAL AND MEDICAL
TECHNOLOGIES

Giving Shape to Ideas

OPTIMAL PRINT QUALITY FOR YOUR MEDICAL IMAGES ON PAPER

Konica Minolta meets your high-quality medical imaging needs with an integrated solution that combines hardware and software: With the Konica Minolta DICOM solution, you automatically create patient booklets by integrating the DICOM images and medical examination reports.



PATIENT BOOKLET

ESSENTIAL DOCUMENT THAT ACCOMPANIES THE PATIENT ALONG THE CARE PATH

Providing an accurate visualisation of the medical images, the patient booklet constitutes the printed medical report of a medical examination and facilitates sharing results among attending physicians.

The patient booklet contains:
- The written report of the medical examination printed on one or more pages
- Printed medical images of the modalities; as well as the possibility to include X-ray images on a digital medium such as CD-Rom or USB drive (optional)

Enhance your organisation's communication:
- A dedicated space for communication (access plan, schedules, annotations of the medical imaging centre, commitments, information about the practitioner and the patient, etc.)

Your benefits
- Interfacing with all existing modalities
- Quality filters for high-definition printing
- Integrated visualisation and image processing tools
- Ergonomic interface
- Automatic and formatted printing with professional quality

HOW IT WORKS

The modality generates files in DICOM format (a medical imaging standard). A server equipped with the Konica Minolta DICOM gateway placed between the imaging modality and the Konica Minolta multifunctional device allows printing the medical images out on paper.

Depending on your individual needs, you can define the print format as a booklet or individual sheets in A3 or A4 size.

Printing on paper rather than film gives your organisation two major advantages:
- Reduced overall cost of the file containing the medical images provided to the patient
- Minimised ecological footprint

bizhub MEDICAL

Flexible and modular, the bizhub Medical gives you professional control of your communication with high-quality reproduction of medical impressions for your patients – all this with maximum efficiency thanks to simple and straightforward integration within the imaging department.

What's more, it incorporates numerous technologies to reduce environmental impact: low power consumption, use of environmentally friendly materials, and standard eco features.

For any medical imaging project, Konica Minolta supports healthcare facilities and imaging centres: Following the precise definition of your requirements, we will offer you a customised technical solution that exactly meets your printing needs.

CHARACTERISTICS
bizhub C458/C558/C658

- 45, 55 or 65 ppm
- colour A3 multifunctional
- Resolution 1200 dpi
- Scan Dual ADF 240 opm (Duplex)
- Scan Dual ADF 120 opm (Duplex)
- Biometric authentication
- Authentication by card
- SAR3
- USB printing
- Fax internet colour
- Fax
- Mobile support
- Bioplastic
- PC/PET recycling

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PRINT YOUR MEDICAL EXAMINATIONS WITH HIGH-QUALITY RENDERING

Konica Minolta's PDB solution acts as a gateway between the workstation and the printer. It enables automatic, high-performance and economical publication of medical images.

Server Mode:
- Connecting multiple modalities and printers
- Composition of the boards from the workstations
- Automatic reporting integration
- High-performance OCR
- Assured confidentiality

Compatibility:
- Compatibility with RIS for the recovery of reports (HPRIM, HL7, virtual printer)
- Compatibility with all modalities and sources of DICOM imagery
- GSDF calibration compliant with IHE

FUNCTIONALITIES

Multi-format printing	A3, A4, booklets
Definition of multiple print profiles (e.g. bone/lung)	
Extensive selection of layouts and presentations	
Fully customisable printing of headers and footers, number of pages, logo, margins,...	
Booklet mode with personalisation of the front and back cover	
Merging medical examinations with automatic integration of a patient's multiple examinations in one booklet	
Booklet mode	Cover: 1 A3 on paper up to 209 g/m²; Inside pages: 19 sheets in A3 up to 90 g/m²
Printing of A4 or A3 boards	Sheets up to 209 g/m²
Flexible adjustment of different rendering parameters like gamma, brightness, contrast, histogram adjustment, contour enhancement, geometric transformation	
Advanced corrections	Transform curves to adjust corrections in combination with the image histogram
Printing on 1:1 scale (dental, prosthesis)	
Web interface to monitor progress with the possibility to cancel / restart a task	
Print statistics	

Konica Minolta Business Solutions Europe GmbH · Europaallee 17 · 30855 Langenhagen · Germany · www.konicaminolta.eu