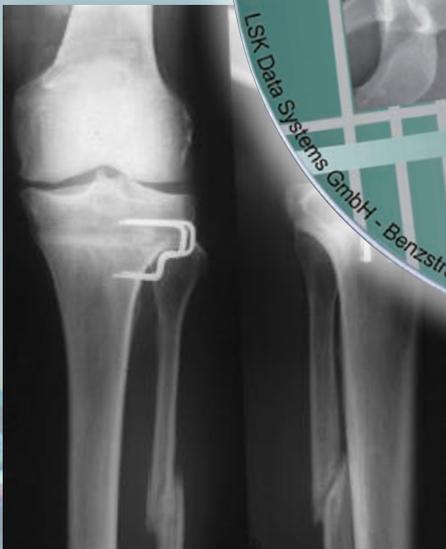


Medical Solutions

DICOM and PACS compatible

- Writing and Printing Patient CDs Automatically
- Reading CDs
- Archiving on DVDs



Advantages of Digital Image and Data Processing for Doctors, Hospitals, or X-Ray Laboratories

The exchange of radiological image data by means of Patient CDs is strongly increasing. The CD is a cost-effective medium to store big amounts of data and more and more imaging systems work digitally.

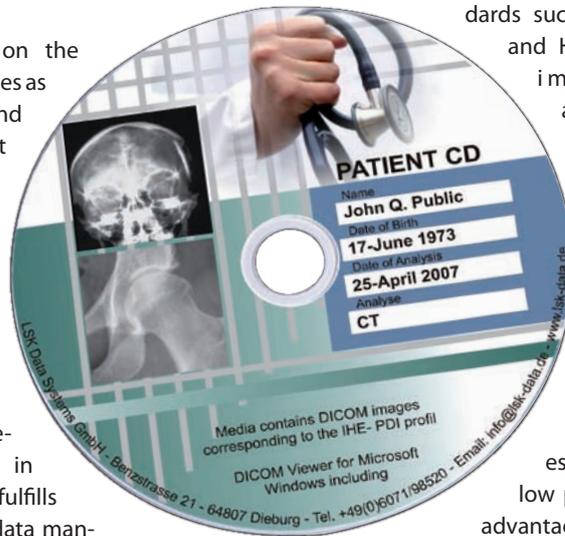
The imaging software stored on the Patient CD ensures that x-ray images as well as tomography and ultrasound images are available to the patient and the doctor or the hospital continuing the treatment so that the patient does not have to be exposed to a repeated unnecessary radiation dose.

Solid Sophisticated Technology

The LSK Disc MED Series is especially designed for applications in hospitals and doctor's offices and fulfills the high requirements of a fast data management and compatibility in the workflow of a PACS system. As one component, the LSK Disk MED System adopts data from a network and fully automatically produces Patient CDs



or Archive DVDs. Solid and proven robotic technology reliably loads and unloads burners and the printer. Erroneously produced discs are



automatically recognized and placed into a separate reject bin. The software is based on recognized standards such as DICOM and HL7 but also implements a couple of proprietary interfaces



and allows acquisition of analog data which do not correspond to DICOM standards. The Disc MED product series is available with different software packages or only with the corresponding interface to connect own DICOM software products.

Fast and Cost-Efficient Printing

The surface printing of the Disc MED series convinces with its excellent properties such as speed, quality, low printing costs per disc, and also offers the following advantages towards similar systems with a thermal re-transfer printer: a full surface print takes 20 seconds only, printing costs are below 10 Cents, the print is waterproof and abrasion-resistant, a mixed production of CDs/DVDs is possible, the separate reject bin increases production quality, the system is more cost-effective to purchase and to operate.

Competence and Experience

The Company LSK Data Systems has more than 20 years experience in the R&D of disc duplication and printing systems in Germany and uses the market leading innovative Hewlett Packard inkjet printing technology.



DICOM & PACS Compatible

LSK Disk MED Systems are DICOM, HL 7 & PACS compatible and reliably support the common script protocols of the devices and software products available on the market.

A medical **Picture Archiving and Communication System (PACS)** is based on digital computers and networks.

PACS Systems acquire digital image data of all modalities in radiology and nuclear medicine. Principally, images from other imaging procedures such as endoscopy, cardiology, pathology, and microbiology can also be used in the Pacs processing. Individual computer systems which are permanently connected with one single diagnostic device and which perform PACS functions are called Mini Pacs. The objective of a PACS system is to support the image acquisition, image processing, image evaluation, image

archiving, teleradiology, image communication, hospital-wide image distribution.

PACS offers the following advantages: easy data access: different image material can be accessed with identical operation steps. Patient data can be called up on every Windows PC, Macintosh, Linux or Unix computer independently of the data source.

DICOM stands for **Digital Imaging and Communications in Medicine** and is a worldwide open standard to exchange digital images in medicine. DICOM standardizes both the format to store image data and the communication protocol to exchange the images.

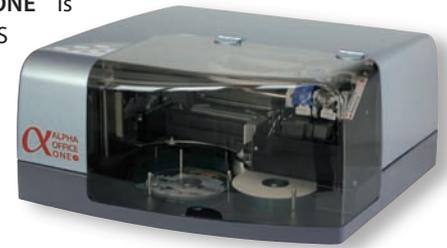
Alpha - Disc MED ONE

Equipped with a CD/DVD combo drive, five freely configurable media slots, robotics to load and unload the discs as well as a direct-to-surface inkjet disc label printer, the **Disc MED ONE** is uniquely flexible and universally applicable for producing Patient CDs or Archive DVDs.

Manifold Print Media

The intelligent control unit and the media carousel with 5 slots, designed for continuous operation, permit the mixed processing of

CDs and DVDs of all common formats. With its high input capacity and a throughput of about 35 CDs per hour full-face printed, the **Alpha Disc MED ONE** is ideal for Mini PACS installations



Alpha - Disc MED RACK

Equipped with a CD/DVD combo drive, five freely configurable media slots, robotics to load and unload the discs as well as a direct-to-surface inkjet disc label printer, the **Alpha Disc MED RACK** is uniquely flexible and universally applicable for producing Patient CDs or Archive DVDs. It can be easily integrated into a 19" computer rack and only needs a minimum of room with its construction height of 5 U. Furthermore, its lockable front prevents data discs from being taken away unauthorizably.



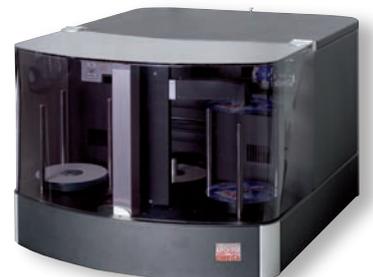
Manifold Print Media

The intelligent control unit and the media carousel with 5 slots, designed for continuous operation, permit the mixed processing of CDs and DVDs of all common formats. With its input capacity and the throughput of about 35 CDs per hour full-face printed, the **Disc MED RACK** is ideal for Mini PACS installations to produce Patient CDs and create Archive DVDs.

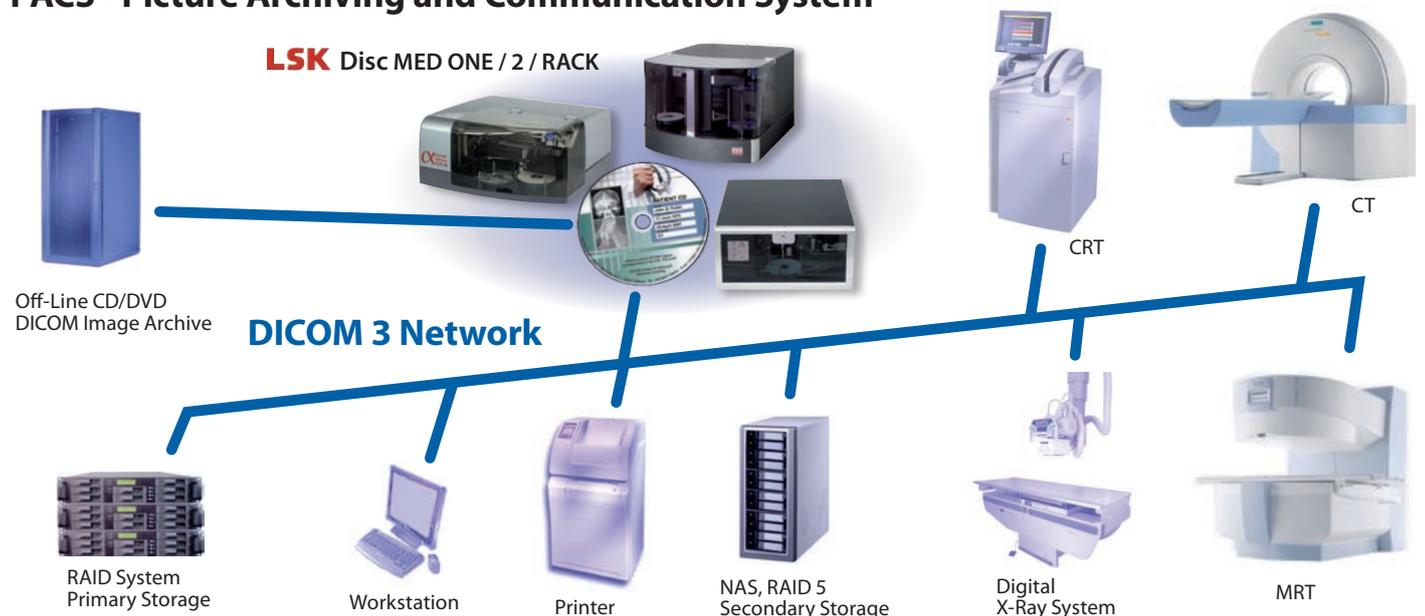
Omega - Disc MED 2

Equipped with two CD/DVD combo drives, an integrated industrial computer, proven robotics to load and unload the discs, a separate reject bin as well as the direct-to-surface inkjet disc label printer, the **Disc MED 2** is uniquely flexible and universally applicable. The solid and proven robotics reliably loads and unloads burners and printer from and into the bins that can be filled with 100 discs. Defectively produced discs are automatically recognized and immediately placed into the separate reject bin.

With its input capacity and the throughput of about 60 CDs per hour full-face printed, the **Omega Disc MED 2** can be used for all PACS installations to produce Patient CDs or Archive DVDs.



PACS - Picture Archiving and Communication System



FACTS

FACTS

FACTS

- On-demand CD/DVD Production
- Fast and Cost-Efficient Printing
- Archiving Databases
- Solid Sophisticated Technology
- Flexible Software and Integration Opportunities
- Ideal for OEM Applications

Specifications	Alpha Disc MED ONE	Omega Disc MED 2	Alpha Disc MED RACK
Disc Capacity Input + Output	150 Discs = 5 Bins, 30 Discs each, freely configurable	200 Discs (100 + 100)	150 Discs = 5 Bins, 30 Discs each, freely configurable
Reject Bin	30 Discs	12 Discs	30 Discs
Standard-Configuration	1 Recorder (CD/DVD) 1 Printer	2 Recorder (CD/DVD) 1 Printer	1 Recorder (CD/DVD) 1 Printer
Print-Technology	6 Color Thermal- Inkjet Printer		
Resolution	up to 4800 dpi		
Recording Speed	We always use latest available recording technology		
Supported Formats	Almost all common including new Dual Layer		
Supported Client Operating Systems	Windows XP, Mac OS X 10.4 or higher	Windows XP	Windows XP, Mac OS X 10.4 or higher
Min. System Requirements	Pentium 1 GHz, 256 MB RAM, USB 2.0, OS: Windows 2000/XP	Windows PC embedded	Pentium 1 GHz, 256 MB RAM, USB 2.0, OS: Windows 2000/XP
Interface	USB 2.0	-	USB 2.0
Dimensions B x H x T (mm³)	456 x 240 x 453	464 x 588 x 340	456 x 240 x 453
Weight	20 kg	30 kg	20 kg
Power Consumption	200 W (max.)	260 W (max.)	200 W (max.)
Input Voltage	110 V - 230 V AC, 50 Hz - 60 Hz		
Certification	CE		
Basic Warranty	12 Month		

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Specifications are subject to change. rel 06/2007

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