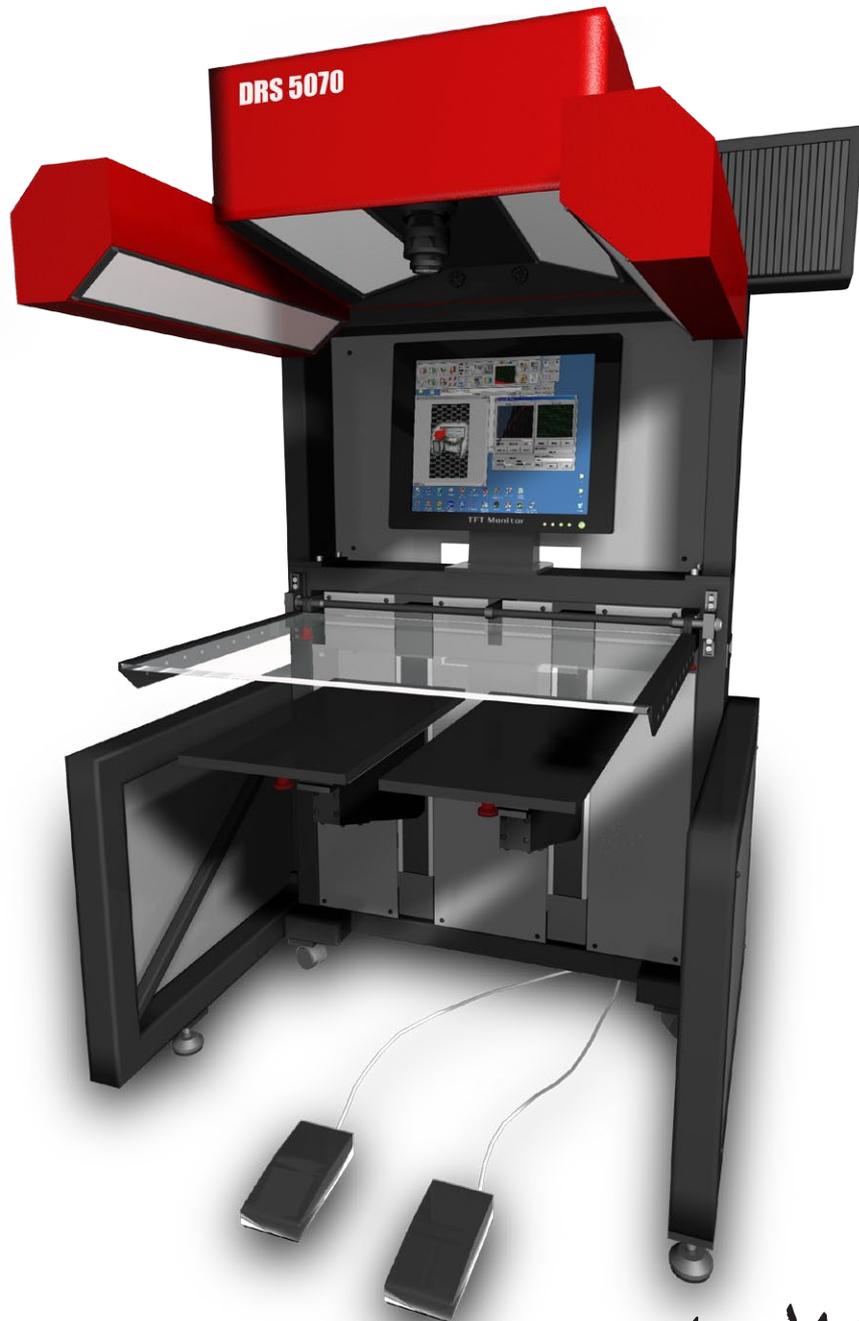


METIS

DRS 5070 Book



by Metis

**The perfect merging between extreme quality
and productivity for the most demanding market**

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DRS 5070 Book

DRS 5070 Advanced Repro Scanner Head

The heart of the DRS5070 system is the Advanced Repro Scanner Head which includes: a special Metis Digital Camera Head, that integrates a sophisticated electronic and the CCD; the SinchroLight lighting system; very high precision optical and mechanical components; focusing and Magnification controls.

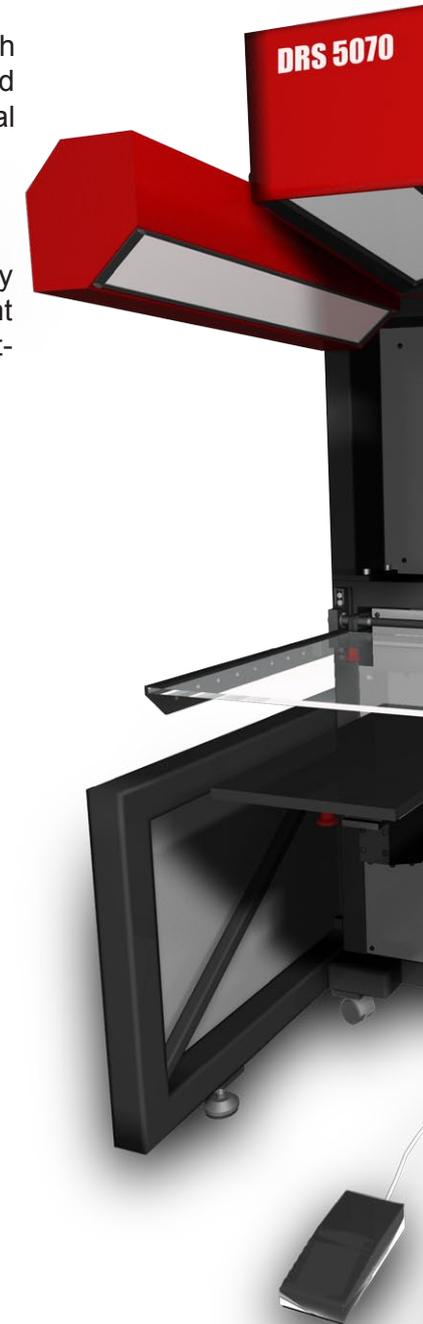
SinchroLight Lighting

The SinchroLight lighting system provides incomparable performances respect to any traditional lighting system. The SinchroLight consists of two (up to 4) independent "light blades", projected and concentrated into a single uniform and powerful light-line running over the original in perfect synchronization with the CCD.



Peculiarities of the SinchroLight are: the original gets exposed to a very limited quantity of cold light IR and UV free; there is minimal light diffusion in the work environment; the electrical consumption is very low (about 1/10 respect to traditional lighting); scanning time are drastically reduced; the total space required for the lighting system is minimum; the SinchroLight lamps are active only during the scan and, due to their particular nature, are insensible to thermic variation in the work ambient (this always allows having perfect colours calibration and guarantee a much longer average of lamps life, in any case already superior respect to traditional system).

Two additional lights (optional) provide customizable lighting scheme in order to adapt to specific needs (as for glossy originals, textile, paintings, gravures, etc.) :



The DRS 5070 is equipped with different ways that can be controlled (manual or automatic). Very important is the weight (less than 100 grams), an always perfect flexibility and superior security for the original image quality or damaging the original. The foot pedal commands standing operation. The optional Monitor allows even more flexibility.

the complete reproduction system



DRS 5070 Software

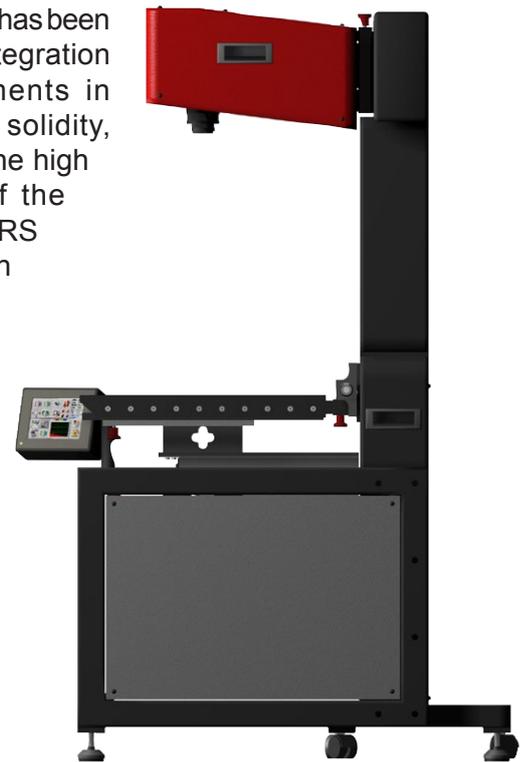
The DRS software have been developed by Metis in order to provide all the necessary tools for the expert user and in mean time allows, less expert operator, to make full use of the quality and productivity of the system. That has been possible by creating a very user-friendly software interface that integrates professional tools together with automatic tools to be used depending on the needs. The DRS software evolution is continuous and pays attention to the specific need of Metis clients.

Books with limited opening angle

An important feature of the DRS 5070 system is the possibility (through an optional accessory) of working with old and fragile books with limited opening angle and without using a glass. This is possible through the integration between the software, the book cradle, a special accessory and the DRS specific optical and lighting design.

DRS 5070 Body

The structure of the DRS system has been designed to maximize the integration between the different elements in order to achieve a superior solidity, reliability and time duration. The high precision and robustness of the various components of the DRS structure allows in fact to reach and always maintain extremely high performances from an optical-mechanical point of view, essential for an intensive use of the system. On top of that the DRS structure can be easily separated in smaller pieces in order to facilitate the transportation of the system in different locations. Due to the accurate and modular assembly no recalibration is required after moving the system .



DRS 5070 Book Cradle

An automatic Book Cradle capable of handling books over 25cm in thickness. The Book Cradle can work in many ways and is completely and easily adjusted by the operator depending on the specific needs (from completely manual to completely automatic). A feature that allows you to work without the glass maintaining unchanged resolution, focus and Magnification. Due to the advanced and integrated logic this is the most advanced book cradle in the market with an extremely high sensitivity (as low as 0.1 micron), an electronic balance (user customizable), very accurate plate/glass positioning, and advanced controls for higher magnification levels. Thanks to all those elements the book cradle can also be operated at very high speed without compromising the quality of the originals. Furthermore scanning commands (as well as book cradle controls and operativity) can be run directly from the computer in front of the system with no need to moving back and forth from the computer. Additional Touch Screen and LCD are available for a higher independence from the computer.

The “DRS 5070 Book” system is characterized by a new and convenient acquisition format size and by superior benefits in terms of: quality, productivity, ergonomics, reliability, compactness, solidity, durability and economy. The 50x70cm format is just not an accident but reflects the need of managing, using a single scanning system, the largest possible type of originals; in fact most of the originals have sizes that does not necessarily match with a standard format (A3, A2, A1,...). The 50x70cm format instead, guarantees a much broader coverage which is much closer to the real reproduction needs of so large and variegated funds, as could be the ones of Historical Archives and Libraries. The DRS 5070 represents a further evolution of the technologies successfully implemented in other products developed by Metis and has been designed in order to respond to a specific requirement of the market: the “non-invasive” high quality digital reproduction of maps, books, drawings and parchments.

Some of the new benefits introduced by the DRS 5070 system are: extremely high scanning speed; special lightings (optional) in order to adapt to different original needs (parchment, matte or glossy documents, gold or reflective layers, gravure, textile, etc.); the possibility to acquire (through an optional accessory) books with limited opening angle; the possibility to work without the glass; a highly automated book cradle capable of handling books over 25cm of thickness (above the average offer).

The perfect zenithal vision and the optical design adopted allows very high precisions, resolution and color fidelity, without compromising the extremely rapid acquisition times.

The integration with the automatic book cradle allows high productivity in full respect of the originals. Furthermore the SynchroLight lighting is free from IR/UV potentially dangerous for the originals.

DRS General Features

- Maximum original format: 50x70cm
- Image Sensor : Tri-linear CCD by Kodak, 3x12 = 36 bit
- Adjustable resolution up to 800 PPI
- Very Large Depth of Field (user selectable from a few to several centimeters)
- Focusing : fine adjustable by Software control
- Lighting : SynchroLight lighting system (IR/UV free) active only during the scanning process
- Additional lights available (optional)
- High grade precision and reliable mechanic
- Automatic Book Cradle for books up to 50x70 max 25cm thick with fine pressure adjustment
- Modular system can be easily assembled/disassembled in small parts for easy transportation
- Size (cm) : Height 165, Length 102, Width 98

DRS 5070 Performances

High real productivity including all phases: Scanning time + image processing + saving of the image on local hard drive or network + book cradle operation

--> A3 book (2xA4 pages), 300PPI, colour 24bit :

“Best Quality Mode” up to 450 pages (A4) x hour

“Turbo Mode” up to 700 pages (A4) x hour

Main Software Features

- RGB or B/W (GrayScale) Scan Mode with “On The Fly” processing for performance optimization
- Customizable user Profiles for workflow optimization and system settings retrieving
- Quick focus and resolution setup
- Fast Preview for real-time adjustments
- Manual/automatic crop : up to 8 originals/pages
- Lighting calibration and Gray Balance tools
- Color/density tools: exposure, contrast, highlight, shadows, gamma, automatic adjustments, black and white points, histograms and point analysis, ICC color profiles, paper color correction, etc.
- Unsharp masking, despeckle, deskew, etc.
- Macro tool for automatic file labelling
- Full Resolution image view immediately after the scan with History window, LOG file, etc..
- Completely automatic workflow allows operating the system directly from the front through foot pedal commands

Computer Requirements

- Intel Pentium IV processor 3 Ghz or greater
- 2 GigaBytes RAM (4GB for full scan at 800PPI)
- Microsoft Windows XP Professional (32bit)

Product specification or appearance may change without prior notice. - V.10/01a-ITA

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