

# **WHO IS METIS ?**

# **METIS SYSTEMS**

## **HIGH QUALITY SCANNERS**

Metis was born in Rome in 1988 as a company for the production and distribution of hardware and software in the field of digital imaging and was one of the first companies in Italy to introduce digital technology in professional photography.

The experience of Metis founders, pioneers of digital satellite imaging since the 1970, and the deep photographic know-how were crucial to the success of the Metis.

In 1997 at the request of the Italian Ministry of Cultural Heritage, Metis began to develop a project in order to digitize ancient documents of medium and very large size (mostly maps). Given the absolute lack of a digitizing system suitable for this purpose, Metis began to design its first system : the DMC (Digital Macro Camera). The first DMC model sees the light in 1999 (model DMC1616), while in 2000, the first units of the new model DMC1015 were produced and sold in Italy but also in Japan. Up to now the DMC is the largest resolution Digital Camera ever produced with a 3.3 GigaPixel Resolution obtained natively thanks to a Metis patented technology.

### **METIS DMC 1015 :**



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In parallel with the development of the DMC project, in 1998, Metis began to develop a new revolutionary the lighting system : the SynchroLight. This lighting technology provided numerous advantages when compared to traditional lighting systems, and was used successfully in combination with the first DMC system, further increasing its performances.

### The DMC SynchroLight :



Encouraged by the success of these experiences, Metis decided to design and produce a new system (the DRS 2A0 Digital Reproduction System) to respond to market demands for a more compact and integrated system. The DRS 2A0 provided a more economical design compared to the DMC, with very high resolution, geometrical accuracy (required for professional cartography applications) and image quality up to the 2xA0 format.

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The latest DRS 2A0 system is today a complete solution that includes the DRC (a digital camera developed by Metis), a strong body structure, a motorized support for the DRC, the SynchroLight lighting technology, a table for supporting the originals, and much more. All these elements seamlessly and perfectly integrated into an unique scanner allowing to reach unsurpassed performances in terms of image quality and productivity.

### The DRS 2A0 system :

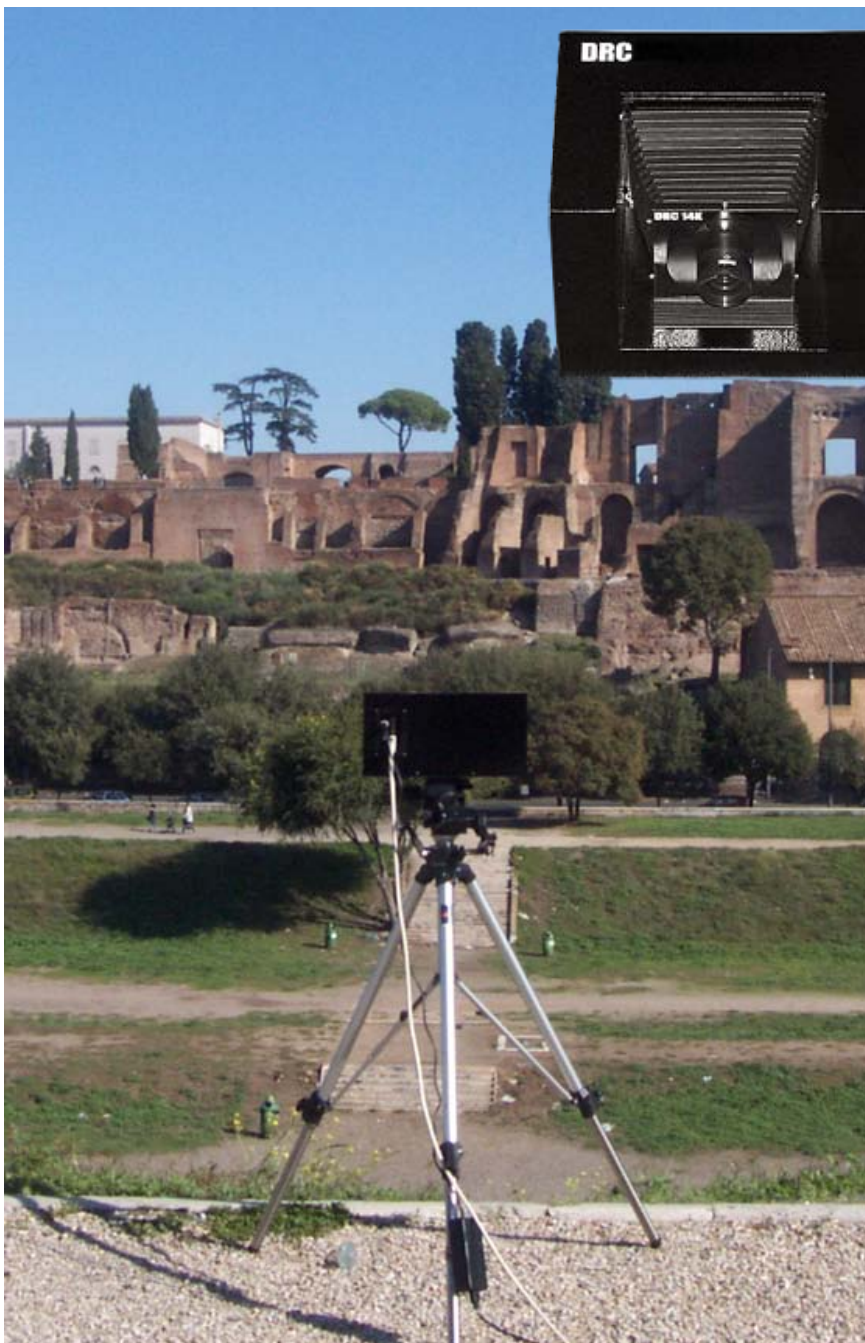


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The DRC camera was also designed in order to allow being used independently from the DRS 2A0 system. The DRS is in fact a Digital Camera with a resolution of 1 GigaPixel (real not interpolated) which can be used in any application requiring a high quality and resolution camera.

*The DRC camera integrated into the DRS 2A0 system:*



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Following the DRS 2A0 system, Metis decided to design and produce a scanner aimed particularly to the reproduction of books, but also maps and drawings up to the A1+ format. First DRS A1+ sees the light in 2004 and integrate a motorized book cradle capable of handling books up to 25cm thick, an innovative SynchronLight lighting with instant power On/Off and active only during the scan, foot pedals and many other unique solutions especially designed by Metis in order to provide the user with a particularly versatile and powerful product. The first DRS A1+ was also characterized by an image quality unknown to the book reproduction market and by a high level of automatization which guarantee also high productivity and ergonomics.

### The DRS A1+ system :



In the 2006, based on the successful experience gained with the DRS A1+ system Metis designed a new scanner, the DRS 5070, for digitizing all kind of originals up to the A2+ format and integrating a new and more flexible lighting system and a sophisticated and completely electronic book cradle. The unique design and technology of the DRS 5070 does not fear comparison with any other scanner in the market delivering by far the best results in terms of image quality. Furthermore the DRS 5070 is a very highly automatized and flexible scanner with

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many unique options and tools for maximizing image quality and workflow integrating also a special technology for handling delicate originals. During 2008 the DRS 5070 have also been re-designed in order to integrate new technologies and CCD electronics developed by Metis in the mean time.

### **The DRS 5070 system :**



DRS A1 + and 5070 in particular were a huge success for Metis allowing to start a serial production with dozens and dozens of units installed in leading institutions in Italy and abroad. It also allowed Metis to start expanding beyond national borders (where it is now the undisputed leader in Italy) with several systems actually installed in Spain, France and China.

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In 2009, Metis announces a new system in the family DRS: the DRS A0. The DRS A0 introduce many innovations which are the results of years of research, development and improvement in Metis. In particular, the innovative lighting system (patent pending) will achieve results previously unthinkable for a scanner, broadening the scope of the system in areas such as fine art reproduction, industrial reproduction, digitalization of original with gold and highly reflective materials, etc..

### The DRS A0 system :





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In a market characterized by a growing demand for mass digitization and the production of low cost / table size scanners Metis decides to differentiate and continue on the original path of uncompromising quality in order to produce scanners that represent a point of comparison for the all digital imaging world. Metis DRS family is today the "Ferrari" of all digital scanners with impeccable performances. Furthermore in recent years the technological and qualitative gap between Metis and competitors continued to increase thanks to new technologies and experience gained by Metis during this time but also thanks to the general downward trend in the quality of competitors systems (the new systems are often worse than the old ones). In particular, Metis DRS scanners can generate an unparalleled image quality (as evidenced by all the technical tests carried out so far by leading Italian and foreign institutions) in terms of true optical resolution, sharpness, lack of aberrations and / or noise in the images, geometric accuracy, color fidelity and consistency of performance over the whole area of acquisition and during time. Moreover, productivity of the DRS family are in line with the performance of the quickest scanners available on the market where the image quality, however, is incomparably higher.

Metis is the undisputed leader in the Italian market and in the last years started also expanding beyond national borders with several systems actually installed in major and prestigious institutions worldwide. Just to make some examples, we can mention: the Vatican Library, the Forbidden City Museum and the Capital Museum in Beijing, the National Library of China and The National Museum of China in Beijing, the National Library of Madrid, the Nation Library of Barcelona, the ICC (Cartographic Institute of Catalunya) in Barcelona, the National Library of France in Paris and SNCF (Société Nationale des Chemins de Fer) in Paris.

Furthermore, the superior quality of Metis scanner, has brought the Veneranda Biblioteca Ambrosiana of Milan, to choose the Metis DRS 5070 scanner, for the digitization of Leonardo da Vinci Atlantic Code.