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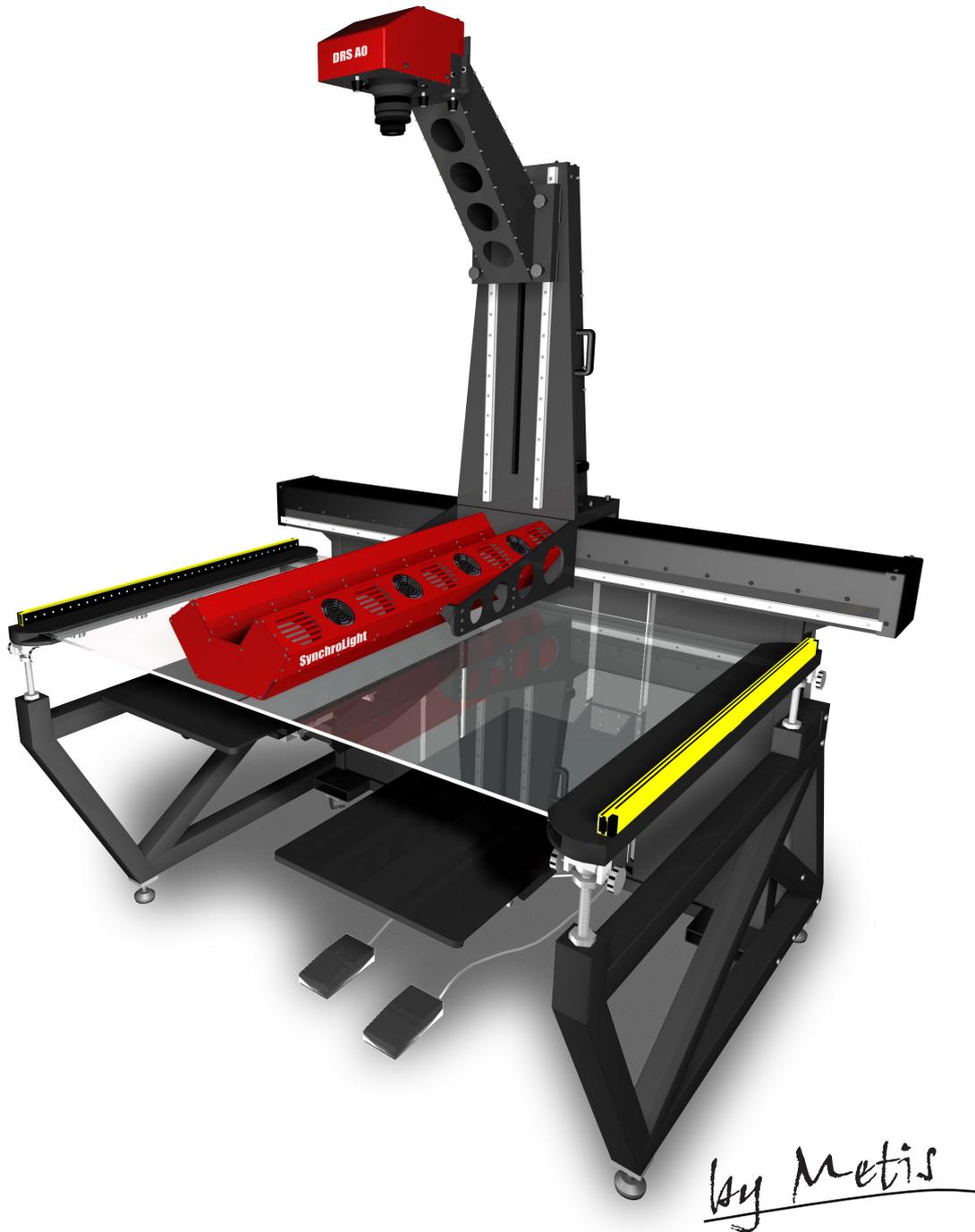
The perfect merging between extreme quality and productivity for the most demanding market

METIS

METIS DRS A0

The DRS A0 is one of the latest born in the DRS family and introduces new important features which have no comparison in any other system on the market such as the innovative *DC SynchroLight* lighting system (Dynamically Controlled Synchronized Light) which incorporates a new technology developed by Metis, covered by patents deposited in 2010, which allows to dynamic control the light in the scanning area. The *DC SynchroLight* technology gives the ability to control and change dynamically, instantly and automatically the angle and intensity of the light emitted by the light sources in the scanning area, making it possible to optimize the result of the digitization, depending on the type and nature of the originals and thus providing results previously unreachable.

The DRS A0 is a professional system designed in order to provide a "non-invasive" high quality digital reproduction of atlases, maps, books, drawings and parchments. Some of the new benefits introduced by the DRS A0 system are: high scanning speed; perfect zenithal vision; a highly automated electronic book cradle capable of handling A0 books over 50cm of thickness (the largest book cradle available on the market); the digital camera integrated into the DRS A0 system have been vertically motorized in order to allow achieving an optical resolution of 800PPI (and up to 1600x800PPI) on the A2 format; the geometrical accuracy is the highest possible allowing for use in the most demanding professional carthography applications; an unmatched lighting system with *DC SynchroLight* technology for light schematic variations; a driving software extremely powerful and complete. The automatic book cradle can accept books as well as drawings, maps and even tri-dimensional originals.

DRS A0 General Features

- Maximum original format: 91x130cm

- Image Sensor: Tri-linear CCD by Kodak, 3x12 = 36 bit

- Optical Resolution: 400-800 PPI (A0-A2) adjustable from 100 to 1600 PPI

- Very Large Depth of Field (user selectable)

- Focusing: fine adjustable by Software control

- Lighting: new *DC SynchroLight* system, LED based, (IR/UV free) active only during the scanning process provide for thousands of different light schematics

- High grade precision and reliable mechanic

- Automatic Book Cradle for books up to A0 and 50cm thick with fine pressure adjustment; fully addjustable and user customizable

- Modular system can be assembled/disassembled in small parts for easy transportation

- Size (cm): Height 182, Length 155, Width 225

DRS A0 Performances

High real productivity including: original positioning, scanning, image processing, saving on local hard drive or network and book cradle operativity. 80 A0 x hour, 300PPI, in colour, in "Best Quality" Mode.

Main DRS Software Features

- Native 64bit software and processing

- Customizable user Profiles for workflow optimization and system settings retrieving

- 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.

- User customizable macro tools 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

Workstation Minimal Requirements

- Latest Intel Processor

- 12 GigaBytes RAM

- Microsoft Windows 7 (64bit)