# AperTune

**AGFA** ◆ *Agfa*

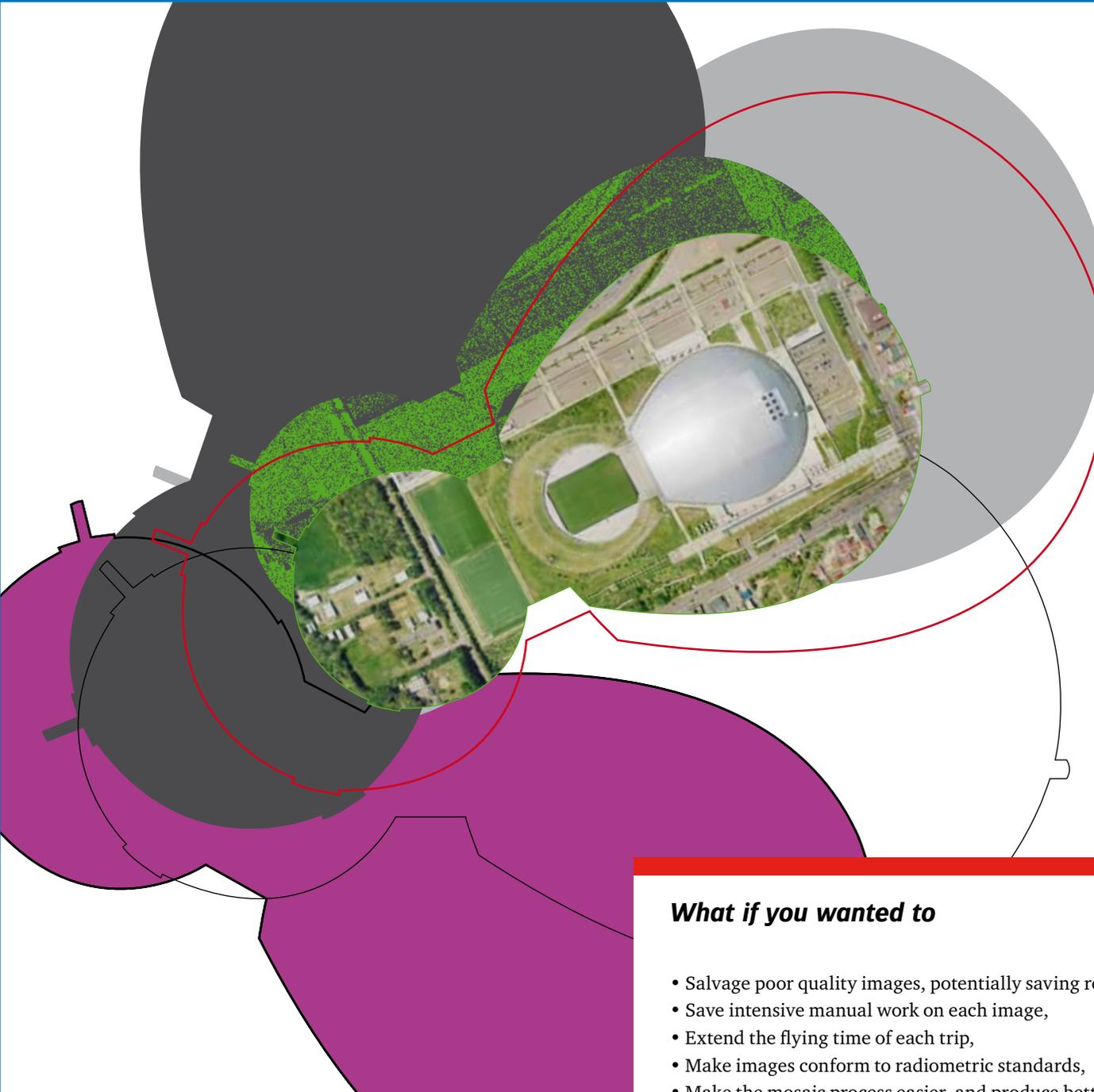## What if you wanted to

- Salvage poor quality images, potentially saving reflights,
- Save intensive manual work on each image,
- Extend the flying time of each trip,
- Make images conform to radiometric standards,
- Make the mosaic process easier, and produce better results?

*Then Agfa's AperTune software for image enhancement brings you the perfect solution!*

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# AperTune

## *Automatic, Intelligent Aerial Image Processing*

Today's challenge is to automate the processing and optimisation of aerial images.

AperTune meets that challenge, allowing batches of images to be optimised quickly, automatically and consistently, all designed to save you time and effort.

It is an open system which can be used for any aerial images, and in addition is especially optimised to produce the full potential results from Agfa film.

## Automatic conversion and enhancement of aerial images.

AperTune software converts and enhances digital imagery coming from various sources of remote sensing devices, including scans of analogue films. It is used in cartographic applications and runs ahead of the mosaicing stage of the orthophoto generation. It will ease the generation and will save considerable effort and reduce cost.

Conversions and enhancements are performed totally automatically, and can be run in unattended operation. The user defines the output settings, and AperTune takes over from there. Any number of different settings can be stored, and automatically applied. This software can also convert scanned images from colour and black/white aerial films to high quality positive images taking into account variances introduced by film and chemistry specifics. Overexposed images or back-lit images are converted to regular imagery.

AperTune automatically enhances the image quality to a set level of dodging, saturation, sharpness, and radiometry. It provides noise and grain reduction or even scratch and dust removal. These can be performed on a frame by frame analysis or in batch mode.

AperTune allows for better visibility of image details and enhances images taken in less than optimum weather conditions. Together with high speed aerial films it allows survey companies to fly missions when others are grounded.
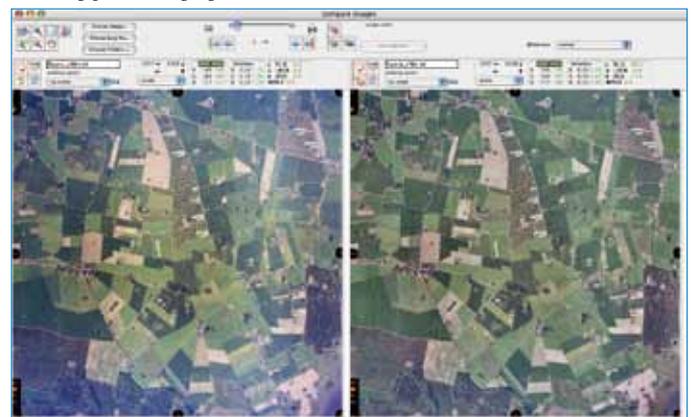
AperTune supplies statistics on images allowing for quality acceptance from images delivered by third parties. AperTune also provides a powerful in-house quality inspection.
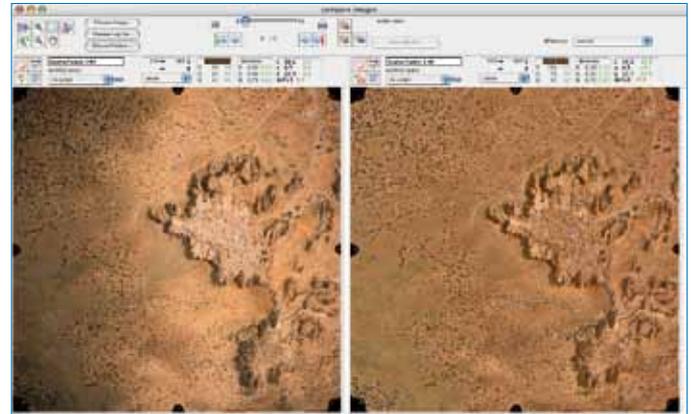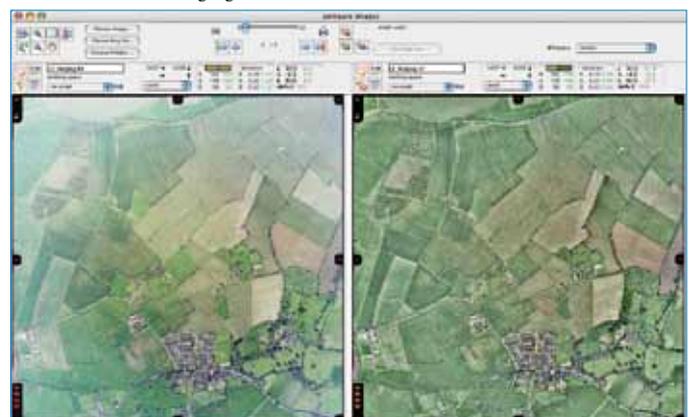

Dodging
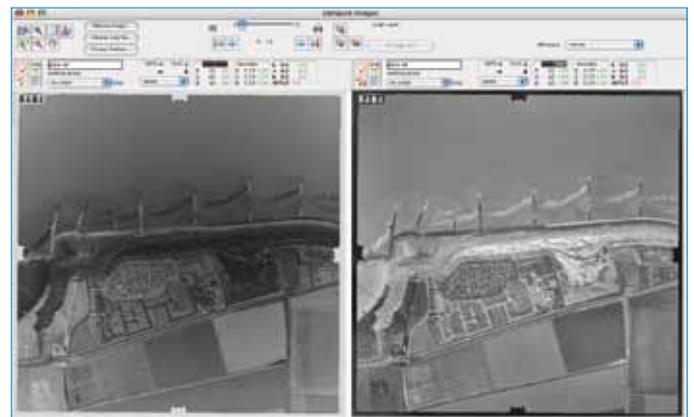

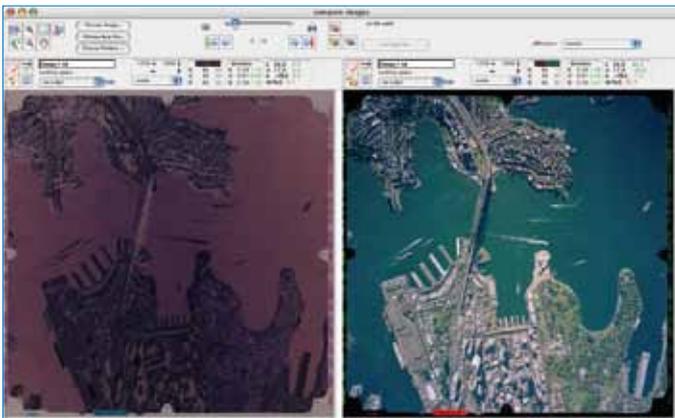B&W neg-pos + Dodging


Lens correction + Dodging
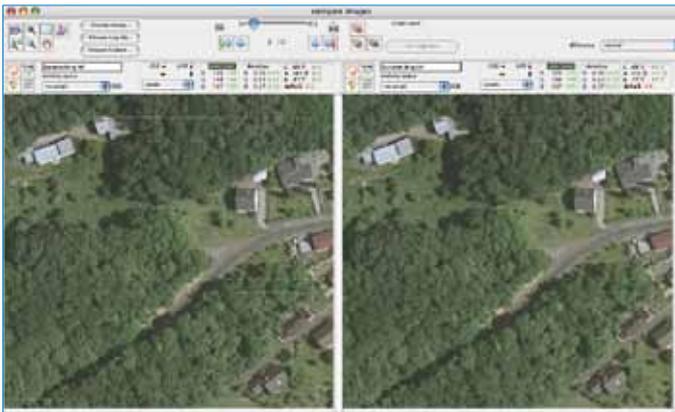

Lens correction + Dodging

# AperTune


Matching


Neg-pos


Scratch removal (colour)

There is even an interactive edit facility which allows operators to make final corrections they may wish to apply.

Taken together, AperTune is a great cost-saving and time-saving investment.

## Exceptional quality.
## Unsurpassed productivity.

### Intelligent analysis...

AperTune analyses spatial quality and geometry of image details, as well as tonal characteristics and colour values. It uses frequency data to identify areas of significant content concentration. In this way, the software gets smart enough to only apply enchancements where needed.

### Intelligent optimisation...

Next, AperTune combines the colour, tonal and spatial data to calculate the adjustments needed for optimal image reproduction. The integrity of the original image is never sacrificed. If for example, the image requires a boost in colour saturation, the shadow and highlight detail can be set to remain unaltered. All optimisations are performed without affecting the geometrical accuracy of the image.

### Intelligent productivity...

AperTune gives you automated intelligence. That means you get all the benefits of an individual image processing at a speed that surpasses any batch-processing program on the market. There's no need to pre-sort, predefine or pre-batch. AperTune does all the thinking for you.

### Intelligent interfacing...

AperTune easily interfaces to networks consisting of different types of computer platforms and operating systems. It has a standard interface where third-party applications can send XML commands to perform actions such as cropping, rotation, resizing and running custom scripts automatically.

## Save time - save money - increase quality with AperTune

# AperTune



## Technical Specifications

AperTune 1.5 requires Mac OS 10.4 or higher

Minimum configuration:
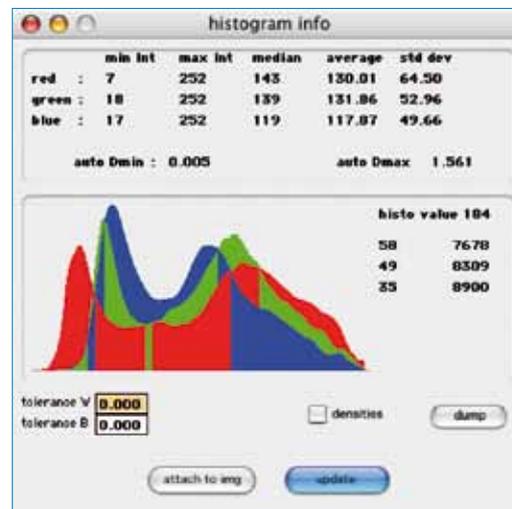Mac with PowerPC G4 processor(s), 1 Gbyte RAM

Recommended configuration:
Mac Pro with Intel Xeon quad core processors, 4 Gbyte RAM

## Ordering Information

AperTune can be bought outright
- Order code is E2S6E
- Allows permanent use