

# COLOUR

# MICROFILM

Download **COLOUR** images to **COLOUR** microfilm with 500 year life expectancy



Genus - The Microfilm Shop has teamed up with Ilford to offer a unique new digital to colour microfilm service for its clients.

The number of colour images being created today, either by book or document scanners or by being "born" digitally, is growing exponentially.

## PROBLEM

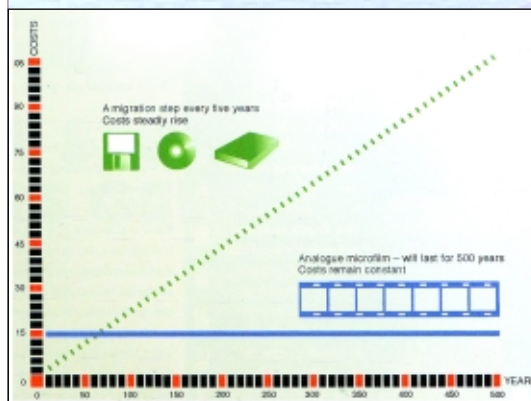
As a result, the question now being asked, is how do I archive these images for the long term? By long term we refer to generations and not just the next five years.



Digital technology has dramatically improved access to corporate,

historic and artistic information over the last 10 years, and will continue to do so but very little thought has been given to how these new digital images can be saved for future generations.

Digital technology suffers from two major problems - the quick obsolescence of the hardware media used and the backwards incompatibility of software to read that media. This brings into focus the cost, time and data loss issues associated with having to migrate information from one system to the latest technological marvel, on average every 5 years. Can you read information from 5 year old diskettes or Syquest Drives? Do you rewind your magnetic tapes frequently enough?



## NEED

What is required is a full colour analogue storage medium that will last 500 years and require only a lens to allow a human eye to read it.

## SOLUTION

This technology now exists in the form of Ilford Colour Micrographic Film which has a life expectancy rating of 500 years.

## SERVICE

**Genus - The Microfilm Shop** is able to offer a per frame service to its clients to take colour digital images and write them down to either 35mm Colour Microfilm or 105mm x 148mm Colour Microfiche.

No need to buy equipment or have to colour process.

Colour films are returned to you fully processed and finished.



**THE  
MICROFILM  
SHOP**

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## TECHNOLOGY

Using the very latest RGB laser technology colour TIFF images can be written to colour microfilm at up to 160 line pairs/mm. An innovative colour management system takes care of exact colour fidelity. Specific Metadata can be added next to the pictures for indexing and nesting options allow different numbers of images to be grouped together to optimise capacity.

The number of frames stored, and therefore the cost per frame, very much depends on the original size of the documents and the quality output required by the client. As such it is essential that you contact us first so that we can discuss your requirements and volumes.

## SPECIFICATIONS

|                  | <b>35mm Roll</b>   | <b>105 x 148mm Fiche</b>                              |
|------------------|--|---|
| Frame Size       | 32 x 45mm  | 100 x 140mm   |
| Pixel Size       | 3mm (160 line pairs/mm)                                  | 3.4mm (145 line pairs/mm)                             |
| Pixel per frame  | 159.9 million (10,666 x 15,000)<br>in 8 bit colour depth | 1248 million (29860 x 41800)<br>3.7GB per fiche       |
| Film Material    | Colour Ilford 35mm Microfilm                             | Colour Ilford 105mm Microfilm                         |
| Life Expectancy  | 500 years  |   |
| Exposure Time    | 30-40 secs per frame                                     | 20 fiche per hour                                     |
| Storage Capacity | 25 DIN A4 images (at 260dpi)<br>per frame                | Up to 200 DIN A4 images per<br>fiche at original size |
| File Input       | ECI-RGB, 3 x 16 bit colour depth                         | TIFF 6.0, 8 Bit Adobe RGB 1998                        |



Eight images are archived on Ilford Micrographic Film on this original contact print. The file size of each individual image is around 90 megabytes.



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