

### More Than 60 Years of Canon Optics Technology At Work.

Canon's world leadership in optics began more than six decades ago with the introduction of Japan's first 35mm focal-plane shutter camera. Canon has now revolutionized scanning with the innovative FARE (Film Automatic Retouching and Enhancement) technology.\* FARE technology gives Canon's new CanoScan® D2400UF USB Flatbed Scanner the ability to automatically remove imperfections from scanned images, producing superior quality scans.

\* Available only when using 2400 dpi or less.

### FARE Technology Advantages:

- Automatically removes dust, scratches and other imperfections that may appear on the original film surface
- Instantly produces more pristine final scans
- Eliminates the need to retouch scanned images
- The first technology like it to be built into a flatbed scanner

### FARE Technology Automatically Cleans Up Scanned Images.

Even the majority of the highest-quality scanners are vulnerable to reproducing dust, scratches and other imperfections that may appear on the film surface, often requiring significant retouching. That's why Canon's FARE technology—the first of its kind to be built into a flatbed scanner—is considered a major breakthrough in scanning performance. FARE technology eliminates imperfections automatically, producing much more pristine scans the first time around.



Original scan from a dusty negative.



Infrared pass identifies the location of dust on the original negative.



Final pristine image using FARE technology.

## FARE technology employs advanced infrared technology.

Scanner lenses are typically designed to focus a single type of light on the film (Figure 1). Because FARE technology-enabled scanners use both white light and infrared light—each with a different wavelength—a glass focusing plate is used to compensate for the different focusing points. During the first pass, the glass plate helps focus the white light on the film (Figure 1). During the second pass, the glass plate rotates out of the light path, allowing the infrared light to properly focus on the film (Figure 2).

FARE technology uses the infrared light to detect imperfections on the film surface (Figure 1). After scanning the image using white light, the scanner then makes a second pass over the film using infrared light, which detects imperfections, such as dust and scratches. The scanner can then compare the two data files and create a final file that is free of those imperfections.

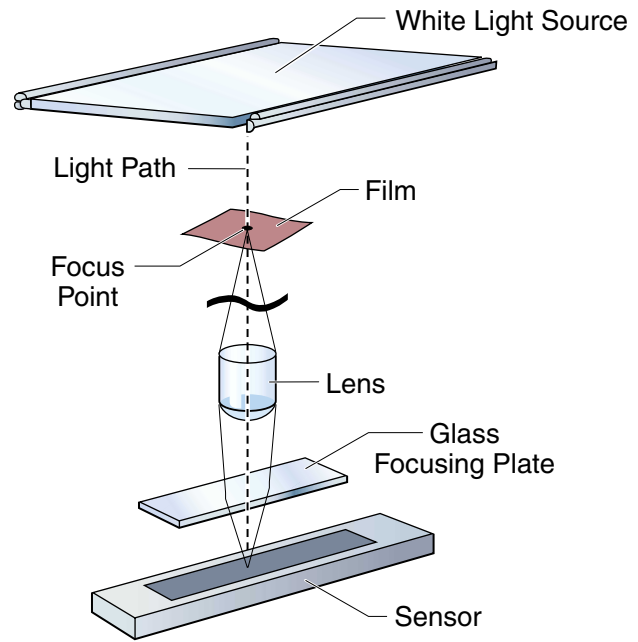


Figure 1

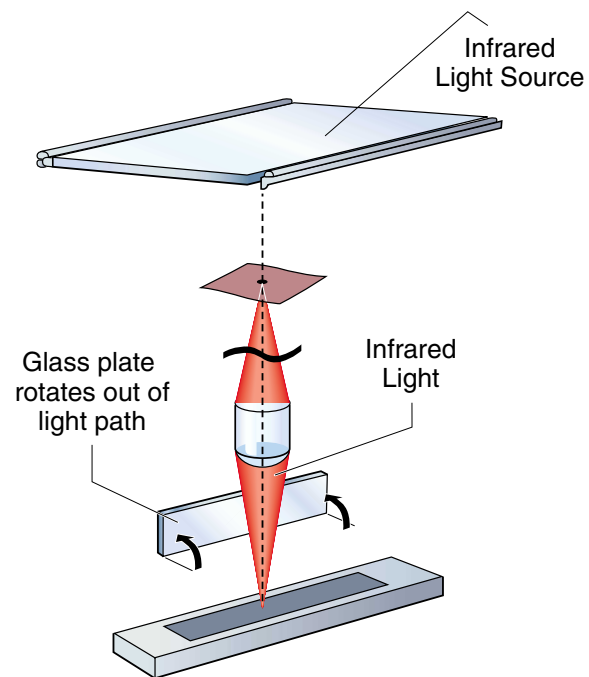


Figure 2

**Canon** KNOW HOW™

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