

Imaging

Imaging Overview (continued)

Before the laser can expose an image the input signal to the laser has to be processed by the Imaging software in the machine. The amount of processing will depend on how the machine is configured and the color of the output copy.



The machine can be configured in one of three possible configurations:

- As a network printer, which has a Network Interface (Digital Front End (DFE)) but does not have a document scanner.
- A copier, which has a document scanner but does not have a Network Interface (DFE).
- And a printer/copier, which has document scanning and network capability.



Depending on the configuration, the imaging process can perform up to five functions:

1. Scan documents and convert the image into 400dpi RGB digital data.
2. Convert the digital image data to Y, M, C, K, and format it at 600dpi.
3. Receive digital image data via the network interface.
4. Convert the digital image data to an analog drive signal.
5. Use the analog drive signal to modulate the laser Raster Output Scanner.

