Halflftone PWB

All machine configurations include four Halftone PWBs. They are part of the Xerographic Imaging Function and are located in the IOT Module. Each board accepts a different color image from the two VSEL PWBs (yellow, magenta, cyan and black). For each color, each pixel has a value from 0 to 255 (8 bits/pixel). This value controls the amount of time that the ROS drive pulse is active. A value of 0 shuts off the pulse completely, while a value of 255 provides the maximum pulse width.
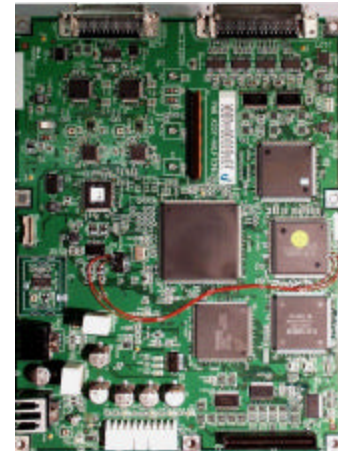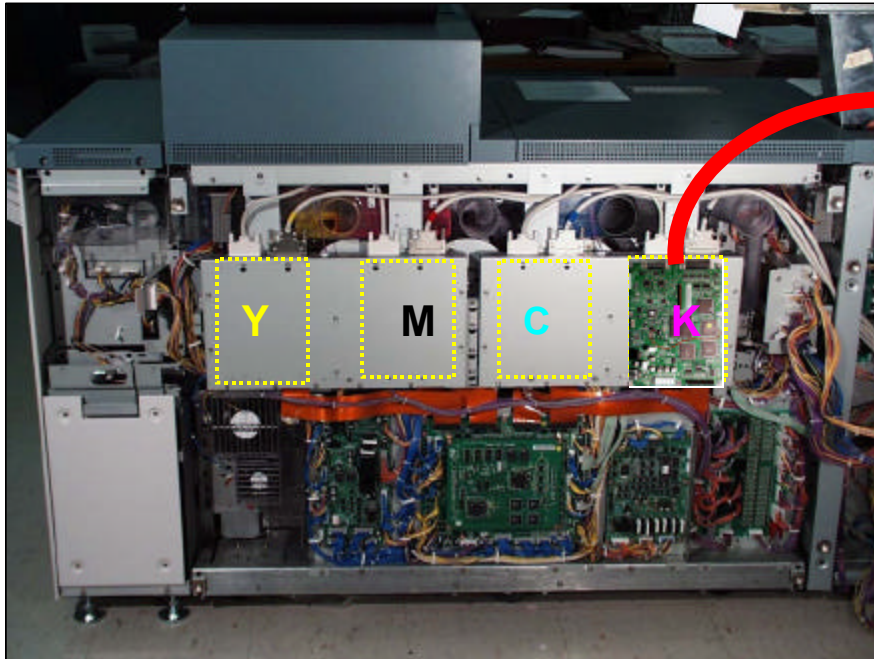
Halftone PWB

Halflftone PWB (continued)

Each Halftone PWB uses its 600 DPI image data input to create pixels of various sizes and at various pitches when printing text and graphics. These include the following combinations of types and resolutions:

- 600 vertical and horizontal lines per inch (600L)
- 300 vertical and horizontal lines per inch (300L)
- 200 rotated lines per inch (20OR)
- 200 pixel clusters per inch (200C)
- 150 pixel clusters per inch (150C) (Only available for files received from the DFE).

The positioning of the rotated lines depends on the color of the line. Magenta is placed at 45° clockwise of horizontal, yellow and black are vertical and cyan is placed at 45° clockwise from vertical.