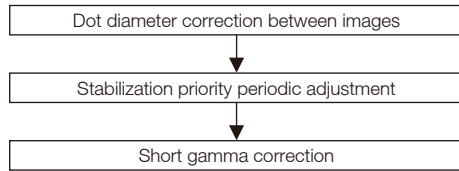


16.4 Stabilization control between images

16.4.1 Image stabilization control between images operation flow

- Image stabilization batch correction control operation flow is shown below.~



16.4.2 Dot diameter correction between images

(1) Purpose

- To keep the density variation between images constant for the continuation print in the image stability priority mode.
- To perform the 2nd transfer cleaning at the same time and collect the toner adhered on the 2nd transfer roller.

(2) Method

- Creates the patches of Y, M, C, and K between paper in the continuation print while applying the reverse bias to the 2nd transfer.
- Reads the above patches with the IDC sensor (IDCS) and corrects the laser light volume (MPC).
- Calculates the line width overlapped voltage with each type of parameters and adds it to the grid voltage for printing.

16.4.3 Stabilization priority periodic adjustment

(1) Purpose

- To perform the adjustment of each item to recover it to the normal condition, when the correction of the grid voltage by the dot diameter correction between images exceeds the limit.

(2) Method

- Releases the 2nd transfer and then performs the base line correction, maximum density correction, and dot diameter correction to recover the grid voltage which is corrected through the dot diameter correction between images to the center value.

16.4.4 Short gamma correction

(1) Purpose

- To keep the density variation between images constant for the continuation print in the image stability priority mode.
- Perform the dot diameter correction between images at the same time to keep the density variation more constant.

(2) Method

- Creates the patches of Y, M, C, and K between paper in the continuation print while applying the reverse bias to the 2nd transfer.
- Reads the above patches with the IDC sensor (IDCS) and uploads the gamma data.

16.5 ? Other image stabilization controls

16.5.1 Charge potential automatic adjustment

- Adjust the charge potential of Y, M, C, and K collectively from the Service Mode after cleaning the charging corona.
- The method is the same as V0 correction on the image stabilization batch correction control. (Refer to [O.16.3.5 V0 correction](#))

16.5.2 Pre-agitation when left unused

(1) Purpose

- To agitate the toner in the developing unit automatically when the idling status persists for more than a prescribed period of time.

(2) Operation condition

- The idling status persists for more than a prescribed period of time.
- When restarting the print after a specified time passed since the last printing ended.

(3) Contents of the control

- Performs the developer pre-agitation.
- The speed is 300mm/s.

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