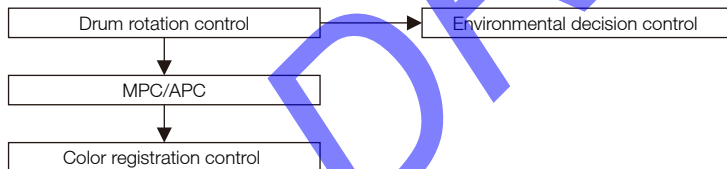


16.2 Image stabilization control when the power switch (SW2) is ON

16.2.1 Image stabilization control flow with SW2 ON

- The following shows the flow of the operation of the image stabilization control when the power switch (SW2) is turned ON.
- This control is performed at the time when the SW2 is turned ON. After that, the Image stabilization batch correction control and the Stabilization control between images are performed depending on the operation conditions. However when the operation conditions are not met, no control is performed.



16.2.2 Drum rotation control

(1) Purpose

- To prevent drum charge dissipation such as an image running at a high humidity.
- When left unused at a low or normal humidity, to prevent an uneven density due to the difference in sensitivity between the cleaning unit area and the developing unit area on the drum.

(2) Method

- (a) When the fusing temperature is lower than the prescribed value when the sub power switch (SW2) is turned ON.
 - The drum is rotated for a specified period of time while in warm-up.
- (b) The fusing temperature at the sub power switch (SW2) turned ON is higher than the prescribed value.
 - When at a high humidity, a specified period of time after the SW2 turns ON, check the machine if it is in the fusing warm-up condition. When it is not in the Ready condition, rotate the drum for a specified period of time.
 - When the fusing warm-up condition is completed within a specified period of time after the SW2 turns ON, the machine is considered to be in the Ready condition at that time and no rotation of the drum is made.
 - Under low/normal humidity conditions, the drum is rotated slightly at constant intervals based on the humidity and the period of time that the product is left to stand.

16.2.3 Environmental decision control

(1) Purpose

- To achieve high print quality, the temp/humidity sensor /1 (TEM/HUMS1) detects the environmental temperature and humidity and feed back the findings to the various types of controls to maintain the image at a fixed quality.

(2) Execution timing

- When the sub power switch (SW2) is turned ON
- After the SW2 has been turned ON, detection is made constantly at a specified interval.

16.2.4 Color registration control

(1) Purpose

- It is performed in order to correct the misalignment in main or sub scanning direction, misalignment in entire or partial horizontal magnification or skew misalignment.

(2) Method

- The color registration sensors /Fr (PS8) and /Rr (PS9) read a patch image created on the intermediate transfer belt.

(3) Execution timing

(a) When the sub power switch (SW2) is turned ON

- When the fusing temperature is lower than the prescribed value when the sub power switch (SW2) is turned ON.

(b) In ready

- When no print operation is performed for a specified period of time.
- When a specified period of time elapses after completion of the previous correction.

(c) While in the print

- After every specified number of prints or when the temperature-humidity sensor /2 (TEM/HUMS2) detects a value which differs more than a specified value from the previous value (select either one with the software DIPSW26-0).

(d) Others

- When adjusting in the service mode.

Note

- Therefore the color registration control is performed at times other than turning ON the sub power switch (SW2).
- The correction made by control differs depending on the performed timing.