

Xerographic Process - Xerographics

Negative Charge Development

To see how negative charge development works, let's assume that the Charge on the Photoreceptor Surface is an even -650VDC and the charge on the Toner particles is also -650VDC. Both charges are the same so there is no attraction of toner. The toner coverage in the fully charged areas will be blank (white). If the ROS discharges the drum surface charge down to a negative -100VDC, toner will be attracted to the discharged areas. If the entire surface is discharged or if the charge corotron fails to charge the drum, the copy will have solid coverage. If the ROS fails to discharge the drum you will get a blank copy because the drum will repel the toner on the Developer Roll.

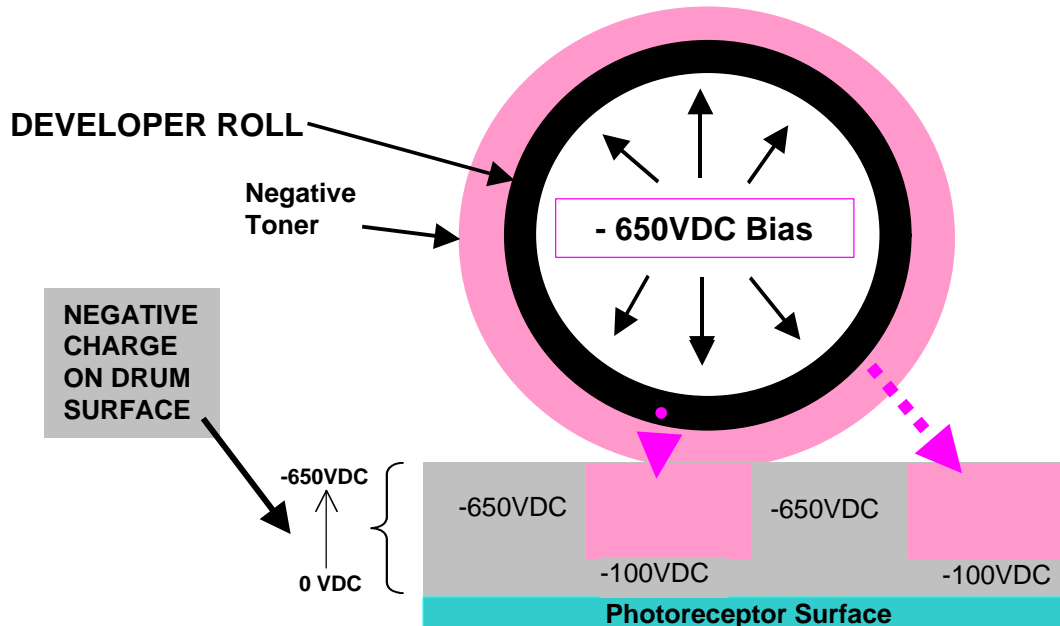


Figure 6. Negative Charge Development