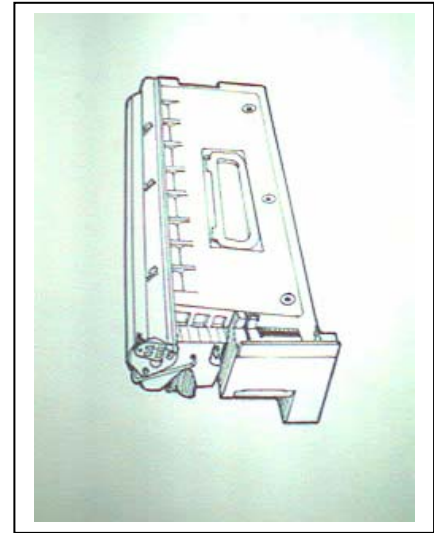


## **Xerox (Docucentre) DC220/230 IMAGING CARTRIDGE... Another Green Opportunity.**

Last issue, I had the pleasure of stepping into the digital world of copiers with the XD100 series . Now here is another larger digital copier which is closer to a printer in many ways. The DC220/230 copiers use the same basic Imaging Unit (a Fuji Xerox engine) as a whole slew of Xerox laser printers. These machines are mono-component. The cartridge has it all... toner, drum, cleaning blade, reclaim, charge components & mag-roller. The reorder #'s for the DC220/230 cartridges include 113R120 & 113R275.



These cartridges are still relatively new to me and I was very pleased to see just how friendly they are. They come apart easily with no specialized tools, and the supplies are readily available. The unit is easily divided into two sections. The upper half is the 'Cleaning Section' which includes the drum, a charge roller, a cleaning blade, and toner reclaim box. The lower half, we'll call the 'Toner Dispense Section'... it has the toner reservoir and the magnetic roller as well as a toner metering blade.

To recondition one of these, you will need a shot of toner (a whopping 1070 grams), possibly a replacement blade and/or drum and a new connector. The Connector is the key... it keeps track of the Drum count for the machine. It's found on the rear of the cartridge, held in place by 2 screws. Once a cartridge has run 20,000 copies, the connector tells the machine "all done". And the machine calls for a new cartridge... the only way to reset the count is to install a new cartridge or replace the Connector.

Here's the basic procedure:

1. After taking note of how far out they protrude, extract the 2 metal pins (1 front, 1 rear) which hold the upper 'Cleaning Section' to the lower 'Toner Dispense Section'... This allows you to separate the 2 sections.
2. Remove both the front & rear drum bushings (2 screws each) and lift the drum from its cradle...(make sure to shelter the drum from the light during the procedure).
3. Remove the top cover from the 'Cleaning Section' by removing the 3 screws & prying up on the side where the screws were... this is the toner reclaim compartment, so clean it out.
4. To remove the Drum Cleaning Blade, remove 2 screws (along with the little conical bushing under each screw). If you are reusing the old blade, wipe off any of the white powder which remains (that powder actually has an abrasive quality which tends to limit the life of the drum) and apply some fresh drum starting powder.
5. Underneath the 'Cleaning Section' find the Charge Roller... it can be removed & cleaned off with some Drum Coat (or similar polymer wax). When you reinstall it, be gentle, the clips & contacts which hold it look really delicate.
6. Check the Mag-Roller for a nice even coat (it should be turned counter-clockwise if you are looking at the small gear on the front end). It's important to avoid touching the Mag-Roller because any contamination (such as oil from your finger) will cause a

copy quality problem. There is a Toner Metering Blade which should be good for a few cycles. If necessary, it can be removed (2 screws).

7. Install a new Mag-Roller Seal. This is necessary... without the seal in place, the toner will leak at the front & rear ends of the Mag-Roller (even if the cartridge is handled with great care). The seal is designed to be pulled out upon installation of the cartridge.
8. Remove the large plug from the Toner Fill Hole (best done with needle-nosed pliers as prying around the edges can damage the plastic around the hole). Pour in the new toner using a funnel (1070 grams).
9. Reassemble the cartridge and replace the Connector and you are ready for delivery.

These cartridges sell new for around \$290.- so there's plenty of room for everyone to be happy. Enjoy!

**NOTE:** *This write up was originally released as an article in ENX Magazine (www.enxmag.com)... call 818-550-7547 to subscribe to ENX.*