Foil Fusing

Troubleshooting

Make sure to unplug the machine before servicing, regularly clean the rollers with citrus cleaner, and never use a knife or razor to remove foil from rollers.

Your foil fuser should be warmed up for about 25-30 minutes before use. You will want to make sure the machine has reached optimum temperature before foil fusing.

If your machine is working properly, and you are having trouble foil fusing, you need to focus on four things.

1) Paper
2) Toner
3) Heat
4) Foil

Paper
Not all papers are compatible with foil fusing. The smoother the better. Most coated stocks work well. Keep some 80lb. Tango C1S, 80lb. Hammermill Color Copy Cover Digital, or 80lb. Mohawk Extra Smooth Ultra White around to use when you need to isolate a fusing problem. These papers work well.

Make sure you are printing on the correct side of the paper. When you turn the paper over to open it, print on this side, it is the smoothest.

Moisture in the paper
Moisture in the paper, humidity in the air. Looks like the rollers on the fuser squeeze the moisture across the sheet. Speeding the machine up will decrease moisture coming from the paper. Turning the temperature down should also help the issue. To help keep moisture out of the room and paper, you can do a number of things: You can buy a dehumidifier. You can fill socks with rice and keep them around you paper. There is also a product called DampRid which works well. Remove all plants from the room, and use fans to increase ventilation.

Heat
Foil fusing is a thermal process. As paper is being run through the machine, heat is being sucked out of the fusing rollers. Therefore, to maintain the correct fusing temperature, you will have to gradually slow the machine down as sheets are being fed through the machine.

Also, the thicker the paper, the more heat required when foil fusing.

Toner
Not all toners are compatible with foil fusing. Try using toner from other laser printers or copy machines if you think you may have a toner issue. Use a paper and foil that you know works well with the foil fusing process. This will help isolate the problem. You may also try printing a rich black on the paper to lay down additional toner. Rich black consist of around 60% cyan, 60% magenta, 60% yellow and 100% black. You can make all 100% if you do not have any registration issues.

Foil
Foil must be compatible with the foil fusing process. Foil should be stored properly in a cool, dark, and environmentally controlled area. The shelf life of foil (if stored properly) is two to three years

Send us Samples
If you would like us to test your paper and/or toner, please send a minimum of 20 sheets of paper. 10 with your toner, and 10 blank sheets so we can test your paper with our toner.