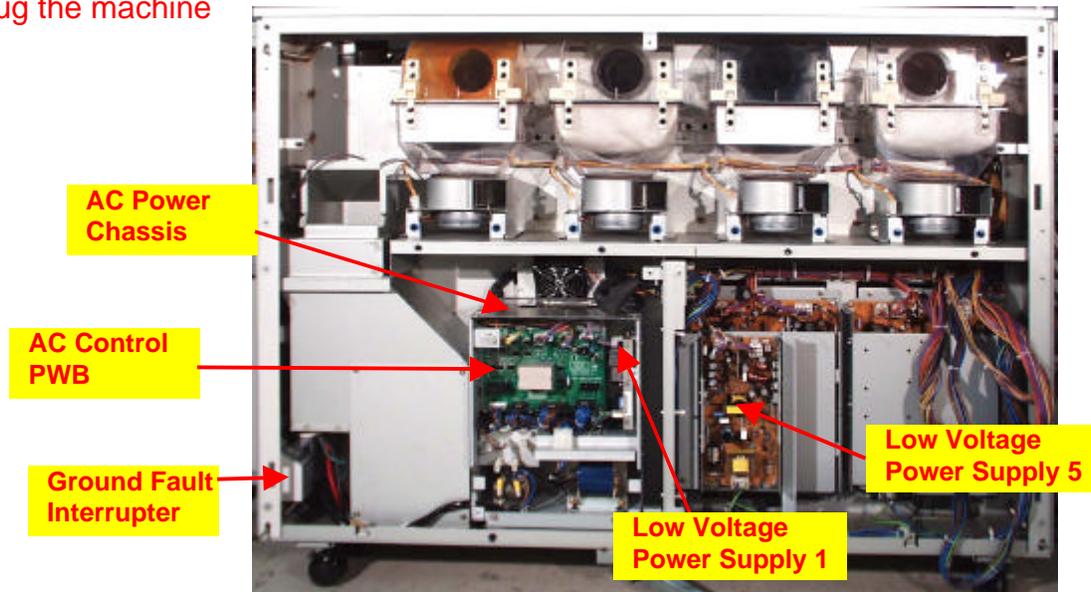


Machine Power Overview - Electrical Module

Machine Power Overview

The AC Power cord enters the machine through the side of the Ecology Module and is connected to the GFI (Ground Fault Interrupter). Power is either 50Hz or 60Hz at 208/220/230/240 VAC. The primary AC power input, processing, and distribution components are located in the AC Power Chassis. The input power cord enters the machine, and passes through a Ground Fault interrupter (GFI). Next it enters the AC Power Chassis where power is distributed to the AC and DC power components.

CAUTION: AC power is present at some machine components regardless of whether the Main Switch or AC Switch is ON or OFF. When servicing any AC Power components or Power Supplies, unplug the machine

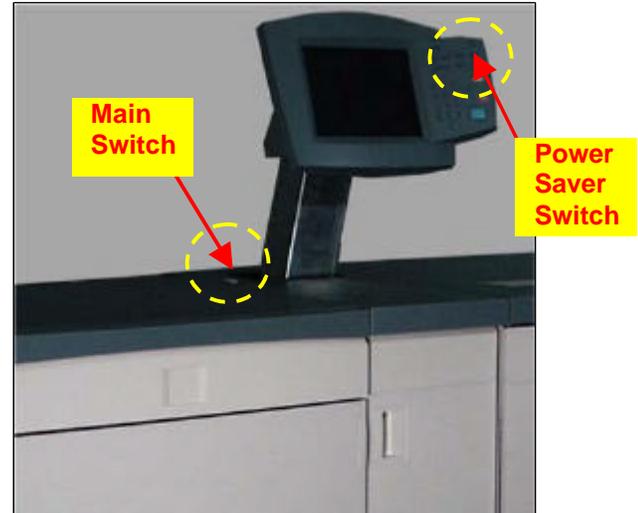
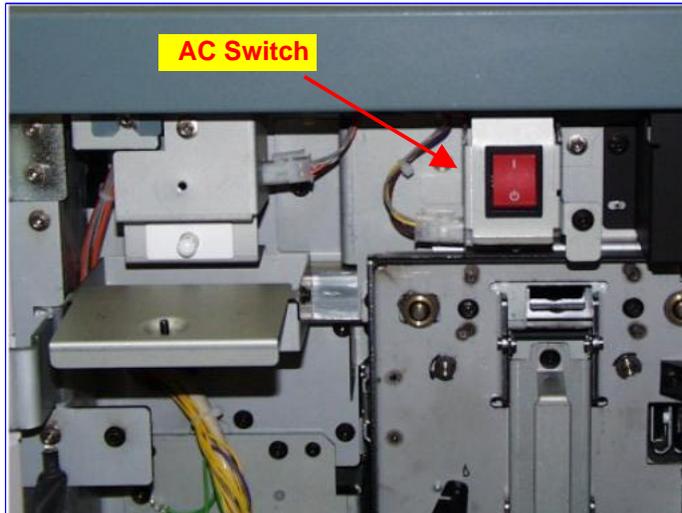


Machine Power Overview - Electrical Module

Machine Power Overview (continued) - Power Switches

There are two power switches on the machine The Main Switch and the AC Switch. Both switches are located on the IOT Module. The AC Switch is located inside the IOT just above the Black Xerographic Unit and switches +12 VDC and + 5 VDC to the System Power Relay. The Main Switch cuts out the + 5 VDC RTN to the IOT Power Relay, System Power Relay and the AC Control PWB.

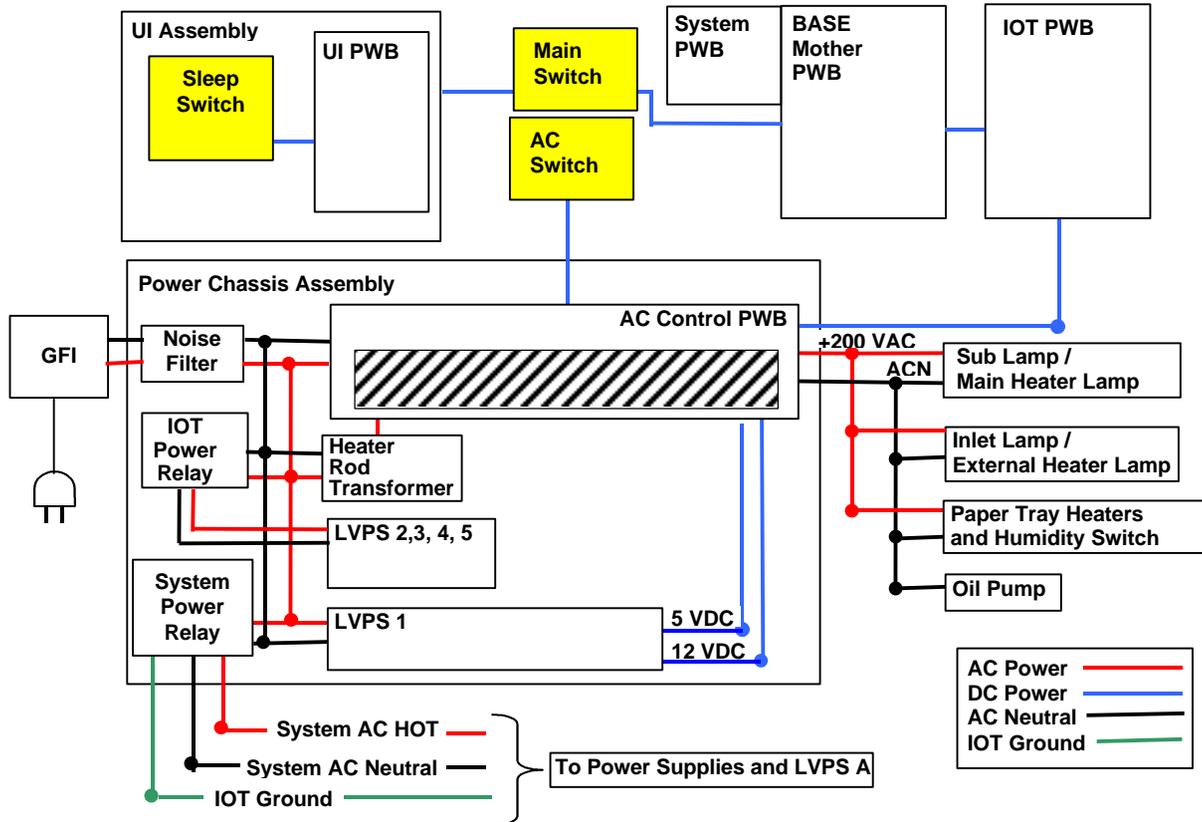
NOTE: The AC Power Switch kills +5 VDC and +12VDC distribution from the AC Power Chassis.



Machine Power Overview - Electrical Module

Machine Power Overview (continued) - Main Power ON

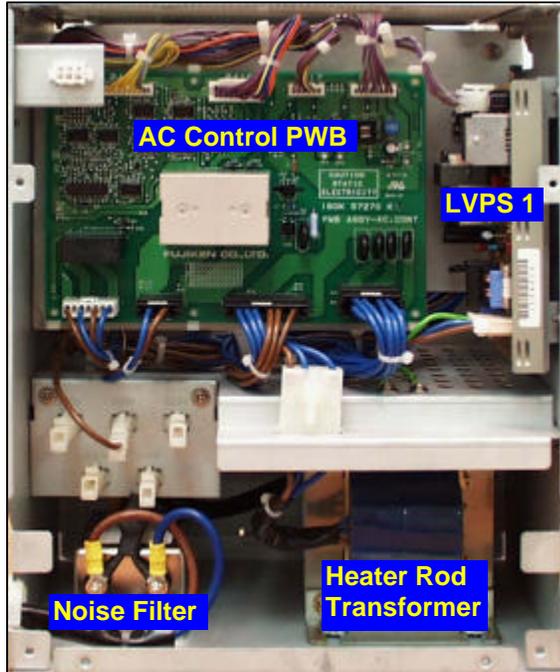
The diagram below shows the distribution of AC and DC power in the machine. See Photo on next page.



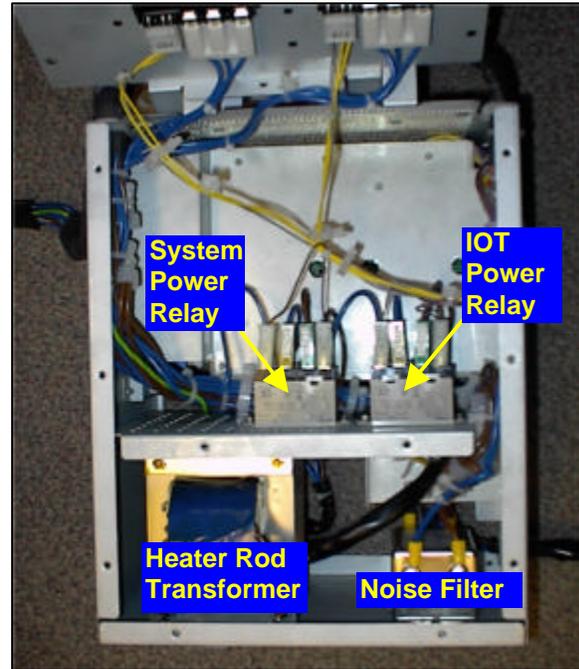
Machine Power Overview - Electrical Module

Machine Power Overview (continued) - Power Chassis Assembly

Power Chassis Assembly



Front View of Power Chassis

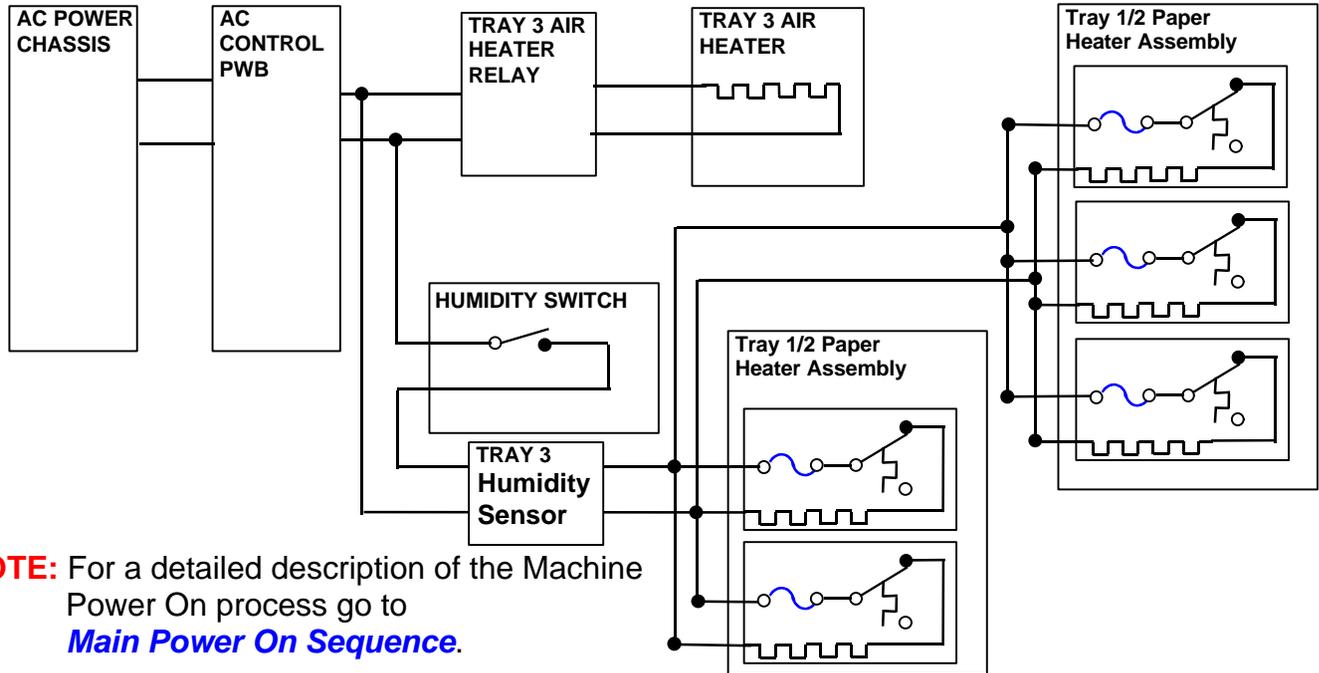


Rear View of Power Chassis

Machine Power Overview - Electrical Module

Machine Power Overview (continued) - Paper Heater Power

AC power is supplied to the Paper Tray Heaters, the Humidity Sensor and the AC Control PWB, bypassing the Power Relay. The Paper Tray Heaters and the Humidity Switch are on whenever the power cord is plugged in and the Ground Fault Interrupter (GFI) is switched on.



NOTE: For a detailed description of the Machine Power On process go to [Main Power On Sequence](#).