



## FALCON B800 BLUEPRINTER OPERATING GUIDELINES

### SWITCH LEGEND:



Switch		Action	
		I	O
	Power	Turn on Machine	Turn Off Machine
	Roll Controller	Reverse Mode	Forward Mode
	Lamp 1	Turn on Lamp 1	Turn off Lamp 1
	Lamp 2/3	Turn On Lamp 2/3	Turn Off Lamp 2/3
	Auto Separator	Turn On Auto Separator	Turn off Auto Separator
	Warning	Do not press roll controller switch when Speed Knob is not at "0"	

### Before Using the machine:

1. Make sure there is enough and stable electricity flow. If electricity fluctuates, install an AVR.
2. Make sure that there is always liquid developer in the Liquid Pump Container.
3. Make sure that all switches are turned off and the Speed Knob is at "0"

### How to use the machine:

1. Press the "Power" On switch. Speed Knob must be at "0".
2. Wait around 10-20 seconds for liquid developer to flow up to the roller. You will hear the liquid going up the machine. Then **slowly** turn the Speed Knob. Do not immediately put at a very high speed.
3. Do **NOT** press the Roll Controller (2<sup>nd</sup> switch) when the Speed knob is **NOT** at "0".
4. Always **leave the Roll Controller in Forward Mode (O) when making blueprints**. Only press the Reverse Mode (I) when you encounter a Paper Jam or machine will be idle for a long time. *See Paper Jam under Important Guidelines.*
5. While machine is powered on and the roll controller is in Forward Mode (O), **Speed Knob must always be turned on** (cannot be at "0"). It can be left in low speed state during momentary idle mode (when pausing in between print jobs).
6. Press the on switch for "Lamp 1" and "Lamp 2/3" if you would like to make a blueprint. Wait around 1-2 minutes for the lamps to heat up during first use.
7. Turn the "Auto Separator" switch on.
8. Insert paper.

### When machine is idle:

1. When you will be using the machine from time to time throughout the day, you can leave the machine powered on.
2. If the machine will be **idle for several minutes**, put the roll controller in Reverse Mode.
3. To put roll controller in Reverse mode
  - a. Turn speed knob to 0.
  - b. Put the 2<sup>nd</sup> switch in Reverse Mode/On.
  - c. No need to adjust speed knob. You can leave speed knob at "0"
4. To get back to working mode or when you would like to make blueprints again, put the 2<sup>nd</sup> switch to Forward Mode/Off.
5. Wait 10 seconds and slowly turn speed knob on.

*\*\*\* if machine is expected to be idle for a very long period (1 hour or more), it is best to shutdown machine to preserve main motor's life and conserve electricity.*

### How to turn off the machine:

1. Press the off switch for the “Auto separator”, “Lamp 2/3”, and “Lamp 1”.
2. Turn the Speed Knob slowly back to “0”.
3. Press the Power Off switch.
4. No need to press the Roll Controller switch. You can just leave it in its current Forward Mode (O)
5. Never pull plug at once after turning off the machine. Let the machine rest for at least **5 minutes** before pulling plug off.

### How to properly insert paper:

1. Curl the original paper (tracing) inward and the Falcon Diazo Paper outwards. This is to create some space in between for the auto separation.
2. The original copy must always be on top and facing upwards.
3. Place the Falcon Diazo Paper below the original copy.
4. When inserting the papers to the machine, the original copy must not be exactly aligned with the copy paper. Misalign both papers by a around 3mm for the auto separation to work properly.

### Important Guidelines:

1. “Roll Controller” switch must **NEVER** be put in reverse mode (pressed down/turned on) during regular machine operation.
2. This is only used when you encounter paper jams or during idle mode.
3. To use paper roll controller (during paper jam):
  - a. Turn off “Auto separator”, “Lamp 2/3”, and “Lamp 1”.
  - b. Stop the roller from running by putting the Speed Knob to “0” **(VERY IMPORTANT!)**
  - c. Press the reverse/on button for the roll controller.
  - d. Wait **10 seconds (VERY IMPORTANT!)**
  - e. Slowly turn the Speed Knob on and remove paper jam
  - f. After paper is removed, put Speed Knob back to “0”
  - g. Press the forward/off switch of the roll controller.
  - h. Wait **10 seconds** before turning the Speed knob back on.
4. When adding the liquid developer, make sure machine is not in use. It is best to add liquid developer when machine is in power off mode.