

Study on Printers:

How a Laser Printer Works

- Laser printers work by placing toner on an electrically charged rotating drum and then depositing the toner on paper as the paper moves through the system at the same speed the drum is turning.
- The following figure shows the six progressive steps of laser printing. Four of these steps use components contained within the removable cartridge. The last two steps are performed outside the cartridge.
- Note that the figure shows only a cross-section of the drum, mechanisms, and paper.
- As you visualize the process, remember that the drum is as wide as a sheet of paper.
- The mirror, blades, and rollers in the drawing are also as wide as paper. First note the location of the removable cartridge in the drawing, the photosensitive drum inside the cartridge turning in a clockwise direction, and the path of the paper, which moves from right to left through the drawing.



