Toner Supply / Dispensing
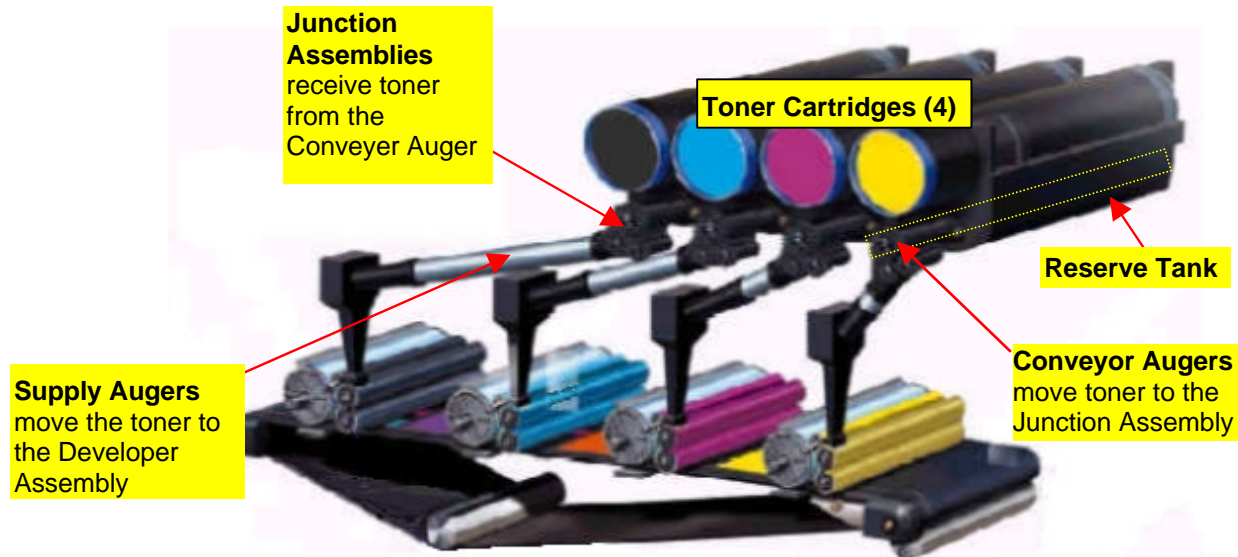
A separate Toner Cartridge and Dispensing Mechanism is provided for each of the four Xerographic Modules (Y, M, C and K). Each of the four dispensers are independently activated and controlled separately. Mixing Augers inside the cartridge mix the developer (toner and carrier) and move it into a Reserve Tank under the cartridge.

The figure below and the photos on the next page show the location and describe the operation of the components used to supply and dispense toner.

Junction Assemblies receive toner from the Conveyer Auger

Toner Cartridges (4)

Reserve Tank

Supply Augers move the toner to the Developer Assembly

Conveyor Augers move toner to the Junction Assembly

Toner Supply / Dispensing (continued)

Toner Cartridge Motors (4) rotate the cartridge mixing baffle and move the toner into the reserve tank

Toner Dispenser Motors (4) drive the toner supply and conveyer augers

Reserve Tank

Cartridge Drive Couplings rotate the cartridge mixing baffle.

Auger Drive Gears provide drive to all the toner supply

Low Toner Sensors monitor the toner level in the Reserve Tank