IOT Paper Path Overview
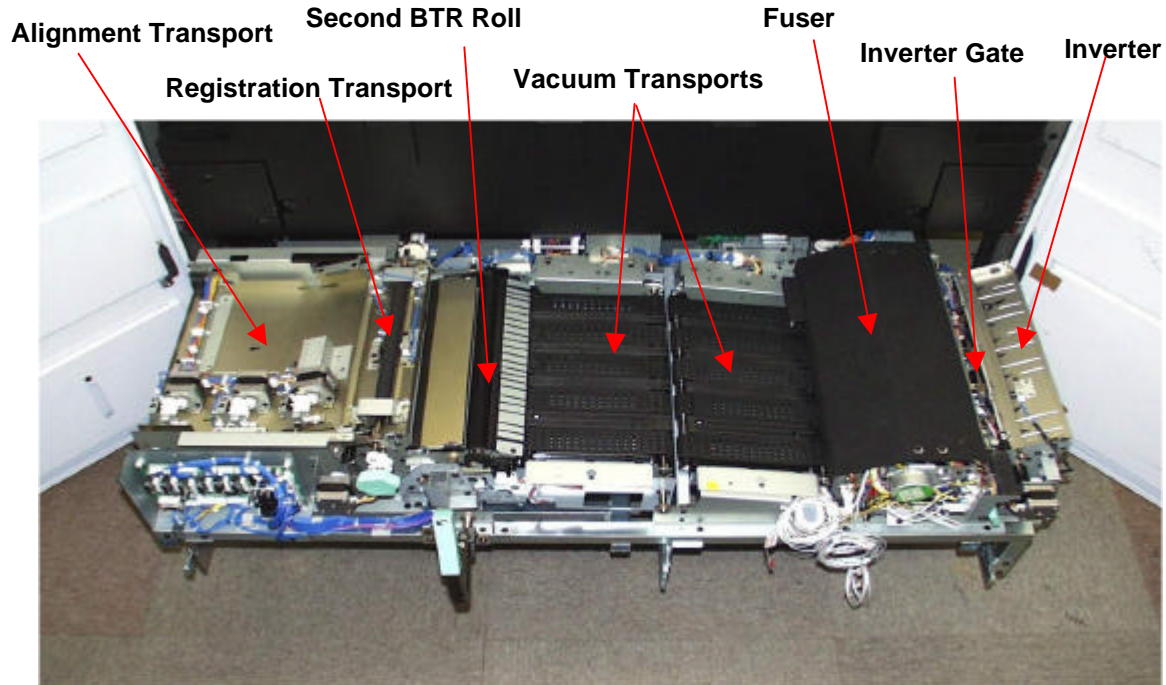
Paper enters the IOT Module from the J-Transport in the Paper Handling Module. The Alignment Transport has three sets of deskew rolls, which grip and register the paper against the outboard side edge of the transport while it moves the paper horizontally into the Registration Roll. Each deskew idler roll has a motor attached that can vary the nip pressure on the paper. More pressure is applied for heavier papers. The Registration Rolls have a Lift Motor that grips the paper between the drive and pinch roll. A dive motor that moves the paper forward and a shift motor that centers the paper to match the image on the IBT Belt. After image transfer, the paper moves along to the Vacuum Transports and into the Fuser. After fusing, the paper enters the Inverter Gate, which directs it to the Exit Module or to the Inverter Transport. The inverter reverses the paper or moves it into the Duplex Inverter and the Horizontal Transports.
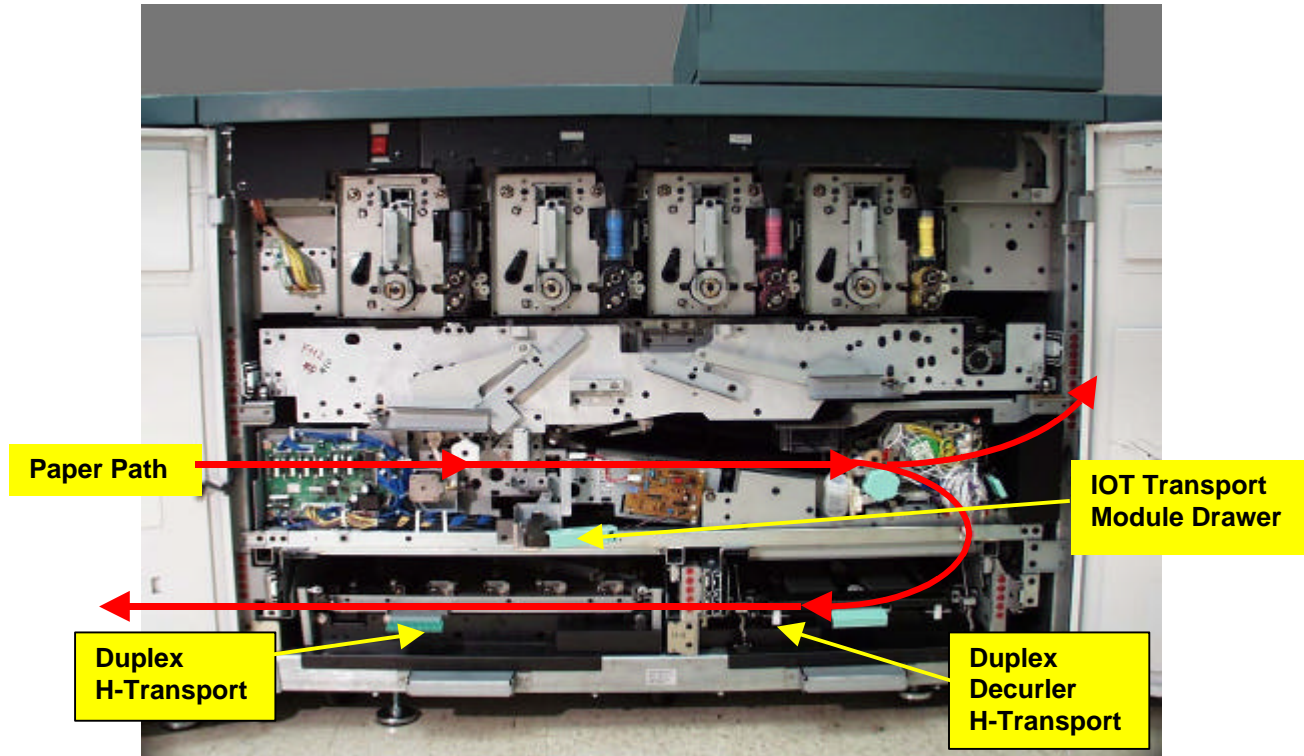
IOT Paper Path Overview (continued)
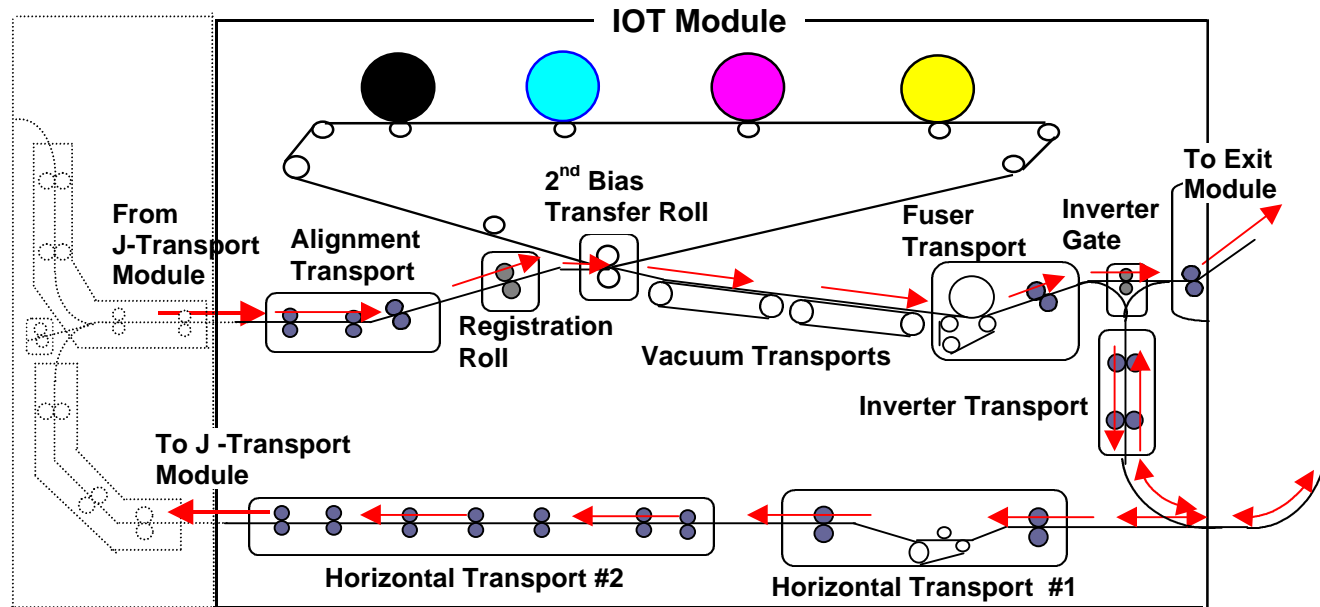
Except for the two Horizontal (H) Transports and Exit Module, the IOT Transport Drawer, contains all the paper path assemblies in the IOT Module.
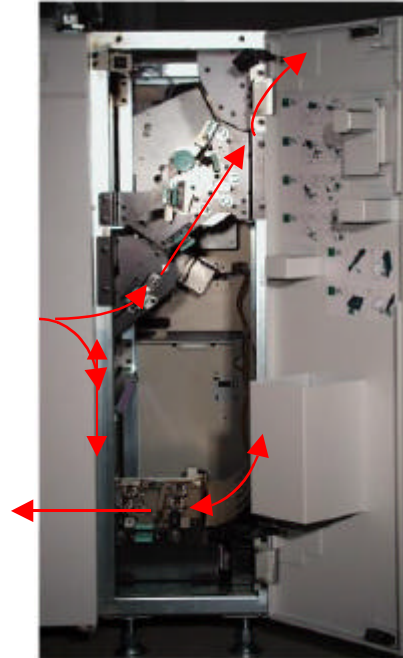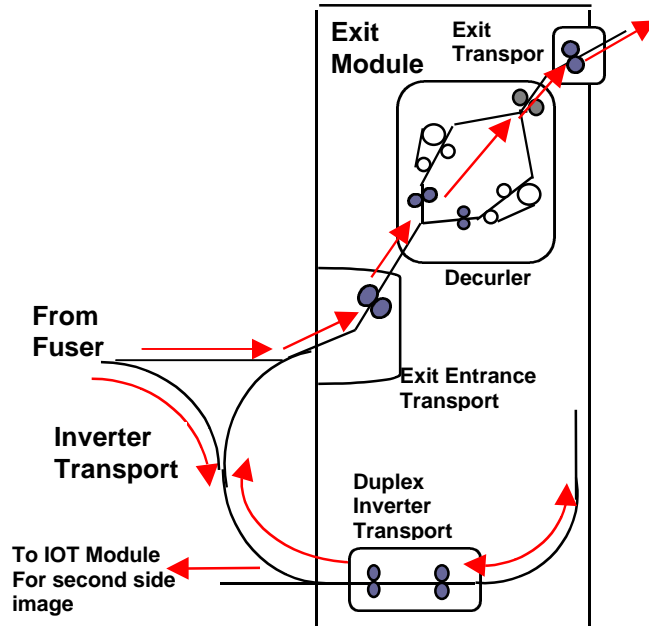
IOT Paper Path Overview (continued)

Paper Path

IOT Transport Module Drawer

Duplex H-Transport

Duplex Decurler H-Transport

IOT Paper Path Overview (continued)

If the paper enters the Exit Module, it passes through the Decurler and exits the machine. If it is diverted to the Inverter it is inverted and sent back to the Exit Module or it continues to the Duplex Inverter. If Duplex is selected, side one is inverted, passes through the two Horizontal Transports and back to the J-Transport Module.

Paper path in Exit Module