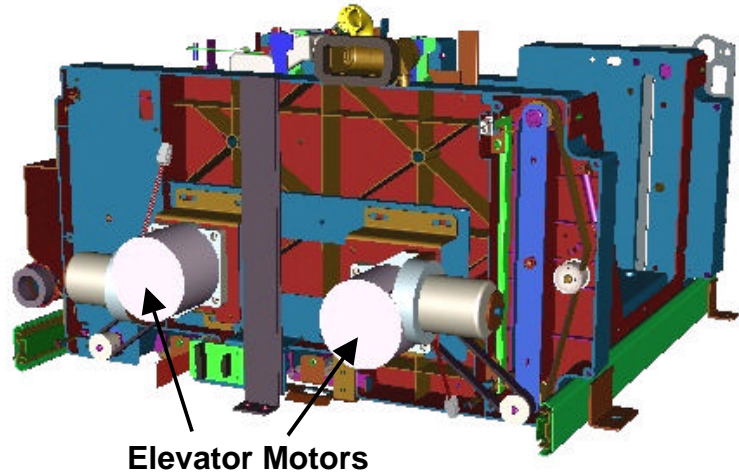


High Capacity Feeder Module - Elevator Drives

Elevator Drives

The paper tray elevator has 2 separate servo drive motors for the left and right sides of the paper tray. The primary purpose of the elevator drives is to raise and lower the tray for adding paper and to maintain proper stack height during paper feed. The separate drive motors enable tilting the tray if required to compensate for paper curl. (Sensing for the height and tilt functions is performed by components associated with the feed head; the related operational descriptions are provided in the HCF Paper Feed description.



The elevator has normal down limit sensing for the trail edge (TE) and lead edge (LE). The elevator also has up limit sensing to protect the feed head if the stack height sensor doesn't stop the upward travel of the tray at the proper stack height.