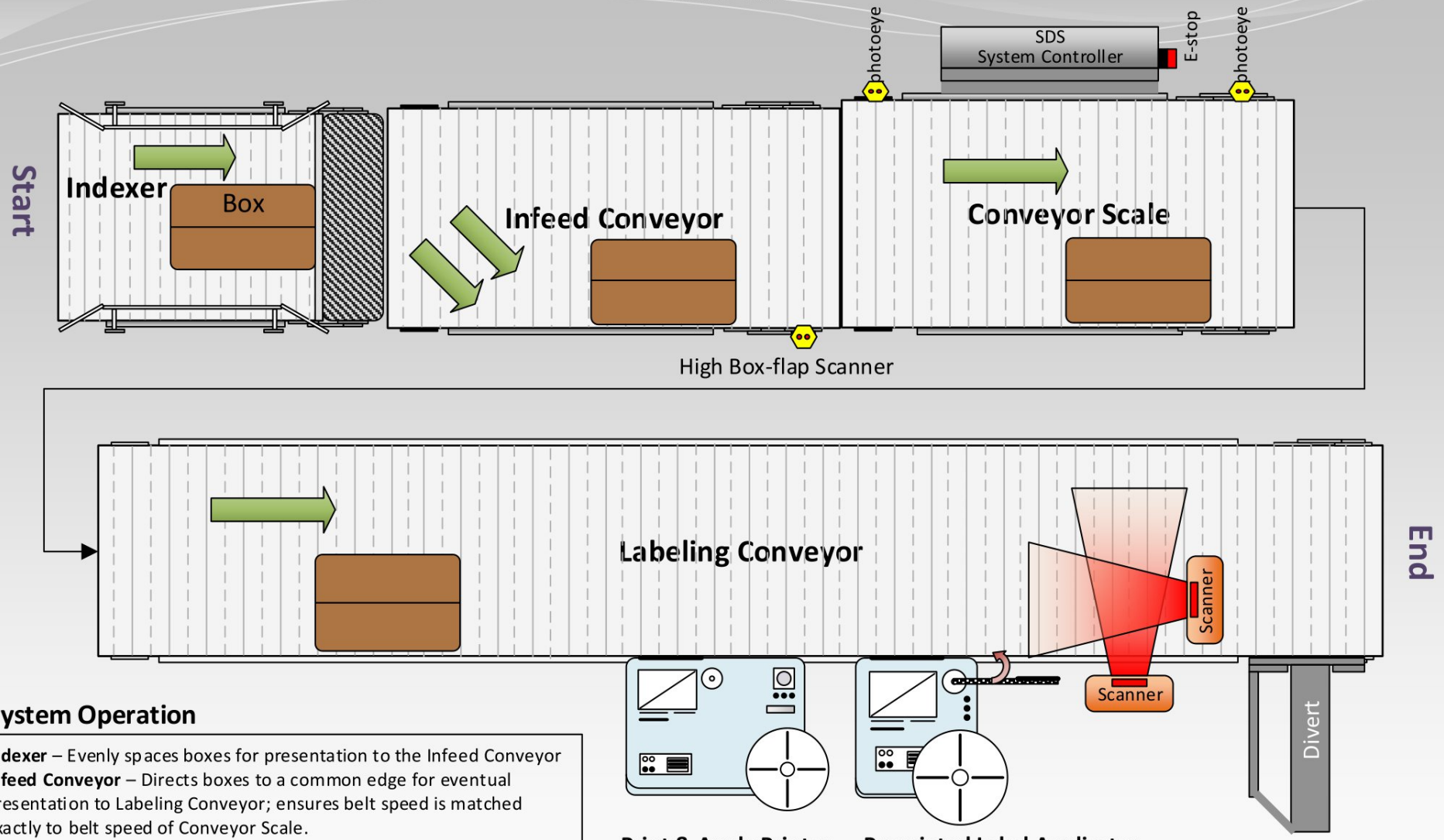
Automatic Box Weigh Labeling System

not to scale



System Operation

Indexer – Evenly spaces boxes for presentation to the Infeed Conveyor
Infeed Conveyor – Directs boxes to a common edge for eventual presentation to Labeling Conveyor; ensures belt speed is matched exactly to belt speed of Conveyor Scale.
Conveyor Scale – Weighs boxes and sends weight to the Print & Apply Printer
Labeling Conveyor – Transports boxes past the Printers and Applicator
Printer & Label Applicator – Prints weight and other information on label; then applies to side and front of box
Scanners - Verifies readable barcodes on the front and side of box
Divert – Removes unscannable boxes from product line for rework