Fluent SS Series of Sort Stations are engineered with industry leading 3D CAD software and manufactured by certified and trained fabricators. This series is configurable to 4, 6, 8, 10, 12 man and custom layouts. The standard Fluent SS series comes with an inclined 48" wide SB conveyor combined with a steep climb belt. The upper sort conveyor has full controls, low side guards, belly rests, VFD, pull cords & e-stops to ensure safe and efficient sorting. The Fluent sort conveyor sits on an elevated platform that is built from structural tubing and outfitted with non-slip surfaces for maximum safety.

The Fluent SS sort stations are designed to be a complete, and customizable sorting solution for best meeting the project needs. These systems can be supplied with a number of upgrades including: magnets, self cleaning magnets, eddy currents, optical sorters, float/sink tanks, glass breakers, fines screens and more.

The SS Series is MIG welded with certified welders and validated with a seamless QA process for overall structural integrity.
Fluent SS Series

SS SERIES
Fluent SS Series of Sort Systems are engineered with industry leading 3D CAD software and manufactured certified welders and precision tooling. Fluent sorting systems come in standard sizes of 4-man, 6-man, 8-man, 10-man & 12-man options. Aside from the standard options, Fluent Conveyors can customize sorting solutions for anything from custom single stream systems, e-waste, C&D, paper and aluminum processing to Bio-fuel processing systems and more. This series comes in standard and custom widths and lengths. Standard widths include 30”, 36” & 48” and lengths up to 75+ feet. Each in-feed and sorting conveyor can be engineered in custom widths and lengths as well. The frame is made of 3/16 inch rectangular tubing, MIG welded with certified welders, sand blasted, connected with grade 8 hardware (resist corrosion and increase strength), assembled, test run and adjusted over the course of 2-3 days straight prior to shipping. The SS Series features industry leading components which include: belts, pulleys, feed and discharge hoppers, e-stops, pull cords, and bearings. This SS Series offers optional magnets, eddy currents, glass management options, safety options, custom in-feed and discharge options and for single stream systems Fluent Conveyors offers 100% custom designed MRFs.

PRODUCT DATA SHEET

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REPLACEMENT PARTS

Replacement Belts
Fluent SS Series offers a variety of belt options. PVC, rubber and chevron belts with custom cleats (height and spacing) along with chevron patterns. Each belt also offers 1-ply, 2-ply, 3-ply and 4-ply options.

Bearings
Fluent SS Series offers set screw pillow block bearings and take-up bearings that range in sizes from 1.5” to 2.5” bores (based on requirements). The take-up bearings are guarded with a bolt on removable cover and all bearing have easy access grease zirks.

Pulleys
Fluent SS Series offers pulleys that are customized for the specific conveyor size and application specifications. The diameter of the pulleys varies on based conveyor lengths, widths, angles and tonnage requirements.