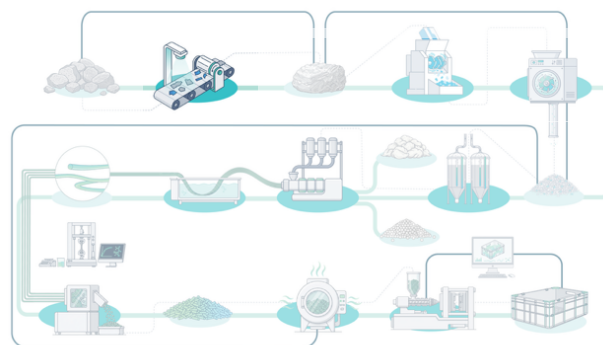


Name:

Sorting Belt



What is it?	A sorting belt is not simply a standard conveyor belt. It is engineered to operate at variable speeds, extended widths, and with heavy-duty materials (such as polyurethane or modular belts) to enable sensors, cameras, air blowers, or operators to analyse high-speed material flow and separate useful material from waste. In the plastics transformation and recycling industry, this belt acts as the main sorting "artery" before recovered plastic reaches size reduction and compounding stages, integrating directly with advanced optical sorting technology—such as near-infrared (NIR) scanning systems or colour sorting (machine vision)—to subsequently separate materials or eject unwanted items.
What is it for?	To analyse high-speed material streams and separate valuable plastic from waste, using automated optical detection and compressed air jets to eject unwanted items.
At what stage of the recycling process is it located?	At the very beginning of the plant, serving as the primary sorting artery prior to size reduction and compounding.

