



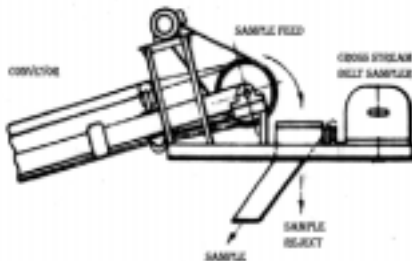
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## CROSS STREAM BELT SAMPLER

The Linear Cross Stream Sampler makes an excellent primary sampler for dry solids, with the largest particle to be sampled being 6 inches or smaller. Using the cross stream sampler as an intermittent sampler, the number and frequency of the sample may be controlled, giving the degree of accuracy required for each application, and minimizing the sample volume. The sample splitters are chain driven or electric cylinder driven, with programmable control packages available. The typical cutter speed for a belt sample would be 30 inches per second through the width of the stream of material. A cross stream sample splitter, with a properly sized cutter, traveling at the correct speed produces a very accurate sample of the stream, and when the correct frequency of cuts is applied, the sample is representative of the 'whole' of the material being processed or conveyed.



Linear Cross Stream Belt Sampler



Typical Belt Sampler Installation

The standard cross stream sampler consists of a fabricated steel frame and base, a gear motor and brake, reset timer (0 - 60 minutes), chain and sprocket drive, and cutter assembly. An optional version is available, driven by an electric cylinder. Controllers with programmable sampling intervals and signal input from conveyor switch to run only when conveyor is running, or from belt scales, to run only when belt is loaded, are also available. Cutters are available for most applications. Chutes and enclosure designed for specific applications are also available.

Sample cutters are constructed of carbon steel, stainless steel or carbon steel with abrasion resistant lining. The horizontal cutter is designed to take an incremental sample from a free falling vertical stream, with the cutter opening at right angles to the flow.

### Features:

**Cutter Openings Properly Sized To Prevent Bridging Or Overflow**

**Rugged Construction**

**Available With Abrasion Resistant Linings**

**Replaceable Cutter Blades With Adjustable Openings**

**1/2 HP or 3/4 HP 115 V/1 Ph/60 Hz or 230 V/1 Ph/50 Hz Drive**