Representative Sampling from Moving Conveyors

Increase profits from your process by accurately sampling of fines to coarse material from a moving conveyor.

**Typical Applications:** Leach or pad agglomerator feed, mill feed, concentrate, coal, iron ore, sinter, pellets, aggregates, limestone, etc.

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**Failsafe Operation**
- cutter always stops in the correct position
- optional tramp metal detector
- thermal overload protection
- optional belt aligners
- park position limit switch included

**Very Easy to Install**
- modular package retrofits to existing conveyors
- minimal process interruption
- no special tools required
- local manual and central control panels

**Robust Construction**
- gearmotor and cutter designs field tested
- sized to suit each application ensures uniform cutter speed across the belt
- gearmotor torque and arm counterweight provides smooth operation
- built to Heath & Sherwood’s high standard of quality and reliability
- custom designs available

**Increments Equivalent to Reference Method or Stopped Belt Sampling**

**No Sample Contamination**
- tangential cutter and optimized cutter speed ensures no material disruption that occurs with other designs
- guarantees correct increment delimitation

**Track Two Belt Scraper**
- cleans the belt surface
- dual scrapers ensure 100% removal of increment

**Contouring Idlers**
- eliminates loss of fines in belt troughs
- provides seamless mating surface between dual scraper and belt
RFQ Information:
- Belt Width (mm or inch)
- Speed (m/sec)
- Idler Angle (deg)

Material:
- Top Particle Size (mm or inch)
- Flow Rate (tph)
- Bulk Density
- % Moisture

1. Two sets of contouring idlers installed before and after cutter are combined with the dual scraper system which eliminates loss of fines.
2. Optimized cutter design and parking action ensures complete removal of material from cutter.
3. Tangential cutter position to suit each application eliminates disruption of material on belt.
4. Watchdog timer and limit switch mounted in protected area for trouble-free operation.
5. Gearmotor and torque arm designed to suit each application.
6. Dual bearing support on all models.
7. Idler base and sampler easily install to existing conveyor stringers.
8. Adjustable skirt holds down belt and contains conveyed material.

Heath & Sherwood (1964) Limited
Box 340 Kirkland Lake, Ontario
Canada P2N 3J2

Tel. (705) 567-5313
Fax. (705) 568-8545
Toll Free in North America: 1 888-go sample (467-2675)
email: info@heathandsherwood64.com

Subsidiary Offices:
Toronto, Ontario Canada
Agents World Wide

Visit our website at:
www.heathandsherwood64.com