

Totally Enclosed

Low Power Costs

Long and Reliable Life

Low Maintenance Costs

Self Cleaning and Reloading



HI ROLLER[®]

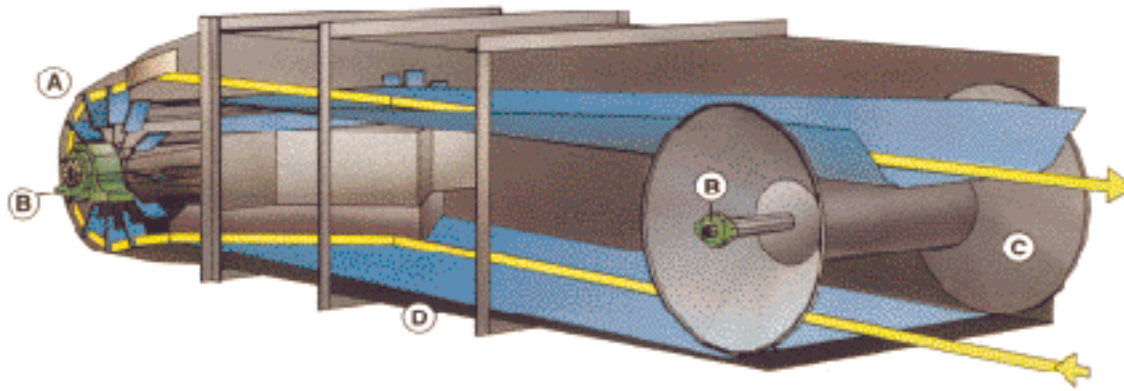
ENCLOSED BELT CONVEYORS

Invest in Efficiency

The Problem Solver

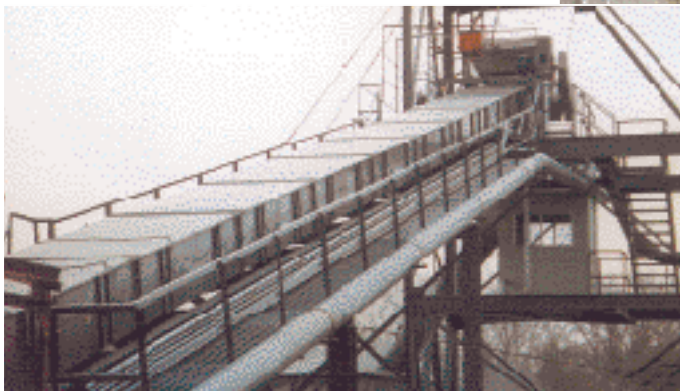
Hi Roller Enclosed Belt Conveyors are designed for the safe, gentle, and efficient handling of dry, bulk materials. This unique, totally enclosed belt conveyor contains dust and spilled material *and* automatically reloads that material back on to the belt.

The yellow arrow shows the flow of dust and spilled material back to the tail section where it is directed into reloading vanes, then thrown and deflected back on to the top belt.



HI ROLLER
ENCLOSED BELT CONVEYOR

- A. **Patented Reloading System:** The patented reloading system maintains a clean enclosure. The absence of this feature can cause product build up, plugging, costly wear and downtime.
- B. **External Bearings:** All bearings are mounted outside the enclosure. Internal bearings can become contaminated, seize up, or create heat.
- C. **Revolutionary Idlers:** Numerous unique idler designs for varying applications eliminate the need for internal brackets or ledges where material could build up. Designed for quick replacement.
- D. **Anti-Static Slide Return:** This allows the belt to continually wipe the bottom of the enclosure clean of any dust or spilled material. This material is returned to the patented reloading system.

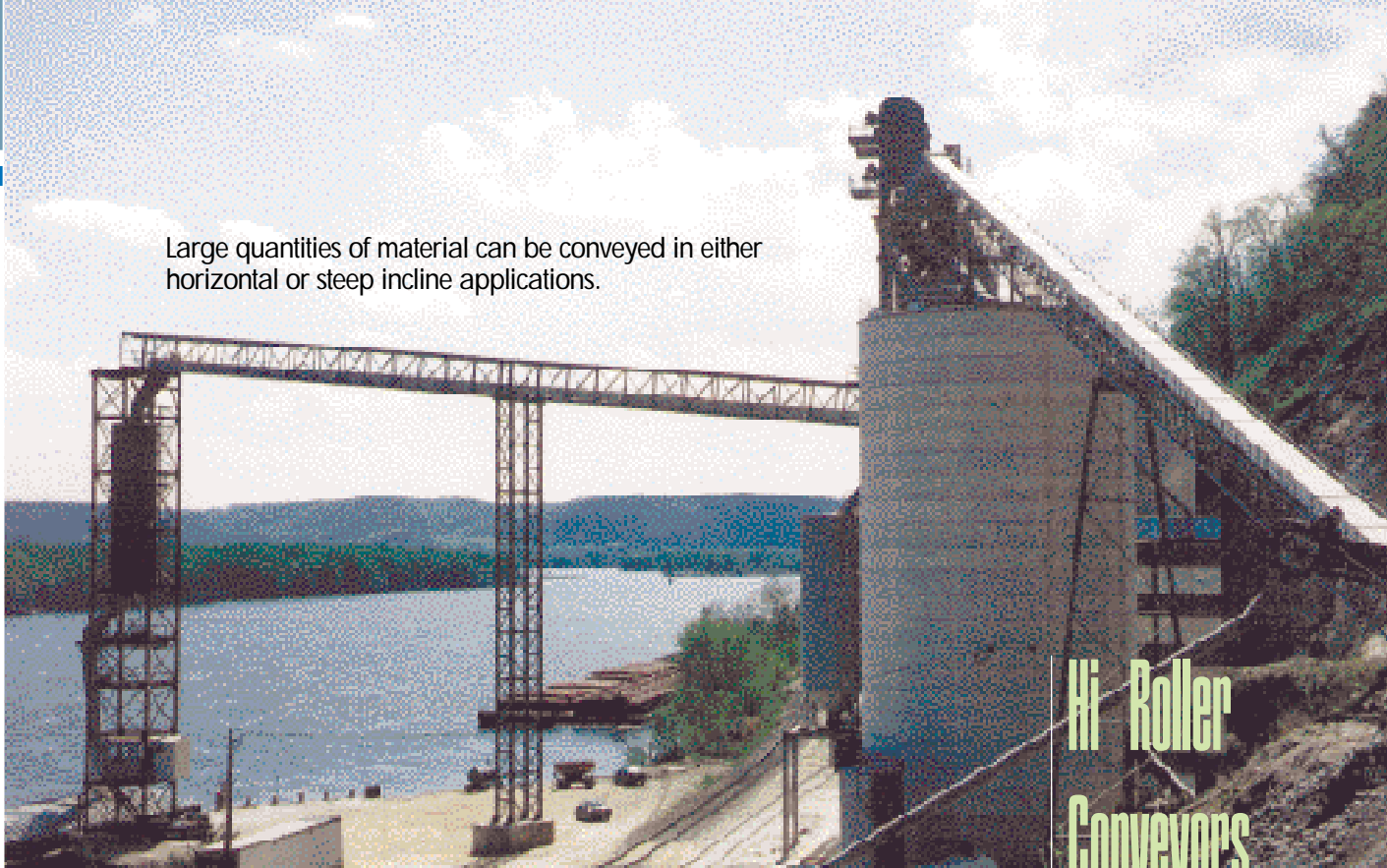


We can adapt your conveyor to accommodate samplers, scales, metal detectors or magnets.



Continuous use conveyors for plant feed applications are clean, quiet, reliable, and energy efficient.

Large quantities of material can be conveyed in either horizontal or steep incline applications.



Hi Roller Conveyors



are
totally
enclosed...



Tunnels and building interiors are kept clean and safe.

Conveyors can incorporate intermediate or two-way end discharges.

Integrated conveyor, truss and walkway greatly reduces installation time and cost.

keeping
dust in
and
weather out.

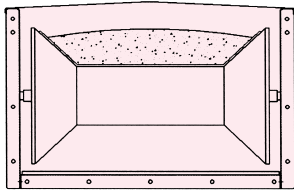


Bi-directional conveyors may be self-cleaning and reloading in both directions.

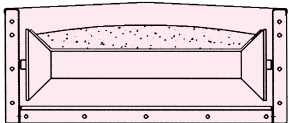


ProductLine

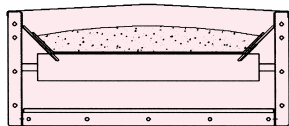
Hi Roller Conveyors are custom built to your specific requirements. Some of our more popular models include:



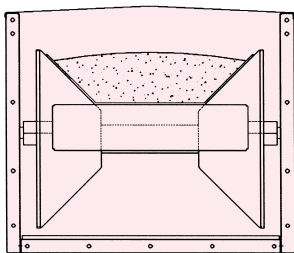
Hi Roller: Available in belt widths from 18" to 60," this is our original and most popular model. The unique bell-shaped carrying idler provides the trough for the belt and utilizes two external bearings as opposed to the six internal bearings associated with a conventional idler. The bell-shaped idler also has built-in self-aligning characteristics for both single and bi-directional conveyors.



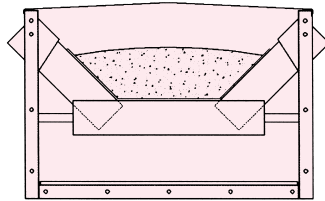
Mini Roller: Available in belt widths from 16" to 36", the Mini Roller includes all the benefits of the Hi Roller in a lower profile design.



Lo Roller: Available in belt widths from 12" to 36", the Low Roller utilizes a flat carrying idler to support the loaded weight of the belt and relies on the UHMW side slides to form a trough for the belt. This design provides continuous belt support and creates a seal at the edges.



Super Roller: Available in belt widths from 36" and up, the Super Roller combines a larger bell-shaped idler and a flat idler turning independently. This design provides a deeper trough than the Hi Roller Conveyor and reduces the slippage between the belt and the idler.



Hi Life: Our newest development, the Hi Life utilizes possibly the heaviest, longest life, most reliable conveyor idler available. Resembling a conventional conveyor idler, the Hi Life idler is much thicker, the bearings are much larger *and* there are no brackets or bearings exposed to the internal atmosphere of the conveyor housing.

Specials: Tailored to your specific application, we can customize conveyors such as the V Roller (two idlers mounted in a V configuration), Hi Bulk (an enmasse belt conveyor designed to move large quantities of material in limited space), Hi Lift (a steeply inclined conveyor utilizing cleats or buckets fastened to the belt). The Consignor is a belt conveyor with a totally enclosed, moveable discharge tripper to discharge material off at any location along the conveyor.



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Belt
Conveyors
have long
been known
as the
most
gentle,
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materials.