

Totally Enclosed Lower Power Costs Long & Reliable Life Self Cleaning & Reloading



Invest in Efficiency



HI ROLLER[®]
ENCLOSED BELT CONVEYORS



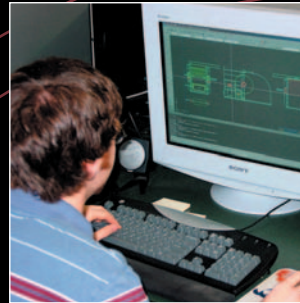
Material handling solutions come in many forms. Unique problems require unique thinking. At Hi Roller Conveyors, we take great pride in being a company that is made up of innovators and problem solvers. As a result, we have grown to be the industry leader in the design and manufacture of enclosed belt conveyors.

How did this happen? As a contractor serving the grain industry in the late 70's, Phil Clark saw the need for a conveyor that would eliminate the emission of explosive grain dust and greatly reduce horsepower and maintenance costs. He also wanted to decrease the need for costly dust collection systems and the costs associated with the operation and upkeep of them. With the goal of providing solutions to those needs, Hi Roller was born. By working closely with our customers, Hi Roller Conveyors has continued to solve problems worldwide.



In addition to our engineering and manufacturing capabilities, Hi Roller also provides exceptional service, which extends well beyond final production. If any problem should occur, we respond quickly and efficiently to ensure that your business keeps running smoothly.

Quality People Proven Experts in Design and Engineering



At Hi Roller Conveyors, it's our people that make the difference. The constant collaboration between all departments results in the highest quality enclosed belt conveyors available. Every member of the Hi Roller team knows enclosed belt conveyors. It's what we do! We live or die by our success and put total effort into the successful application of our equipment. If you have a question or experience a problem you can be assured that there are always multiple individuals to help you.

Hi Roller has also discovered an invaluable source of ideas and information from you, the customer. Improvements on the life and maintenance of our equipment are often the result of a joint venture. When possible, we visit our customers facility and adapt our conveyors to existing parameters. Too many manufacturers expect the customer to adapt to the company standard. Not Hi Roller! Our consistent effort to integrate the needs of our customer into the design process has proven beneficial to both parties. This willingness to listen has been the key to developing a strong customer base and has propelled Hi Roller to be the leader in design and manufacture of enclosed belt conveyors.



Hi Roller not only adapts equipment to a particular application; we adapt it to an industry. You can find Hi Roller Conveyors loading grain ships in the Gulf of Mexico, conveying minerals at a processing plant in South America, handling absorbent clay products throughout the United States, as well as feeding processing plants throughout the world 24 hours a day, 7 days a week.



Not every Hi Roller Conveyor will work with every product. Products have various characteristics. This may be abrasiveness, flow ability, size, moisture, temperature, density, etc. Hi Roller has different models for different situations. One thing the various models do have in common is the ability to reload dust and spilled product. Also, all conveyors are designed with bearings isolated from the internal atmosphere of the conveyor. These design parameters decrease maintenance and operational costs as well as increase the life of the conveyor.

Hi Roller also offers many complementary components such as an integrated support truss and walkway. Intermediate discharges both stationary and moveable; can be incorporated in all models. Low profile or two-way discharges can be built in to accommodate space constraints. Reversible conveyors are designed to discharge and reload material in either direction.

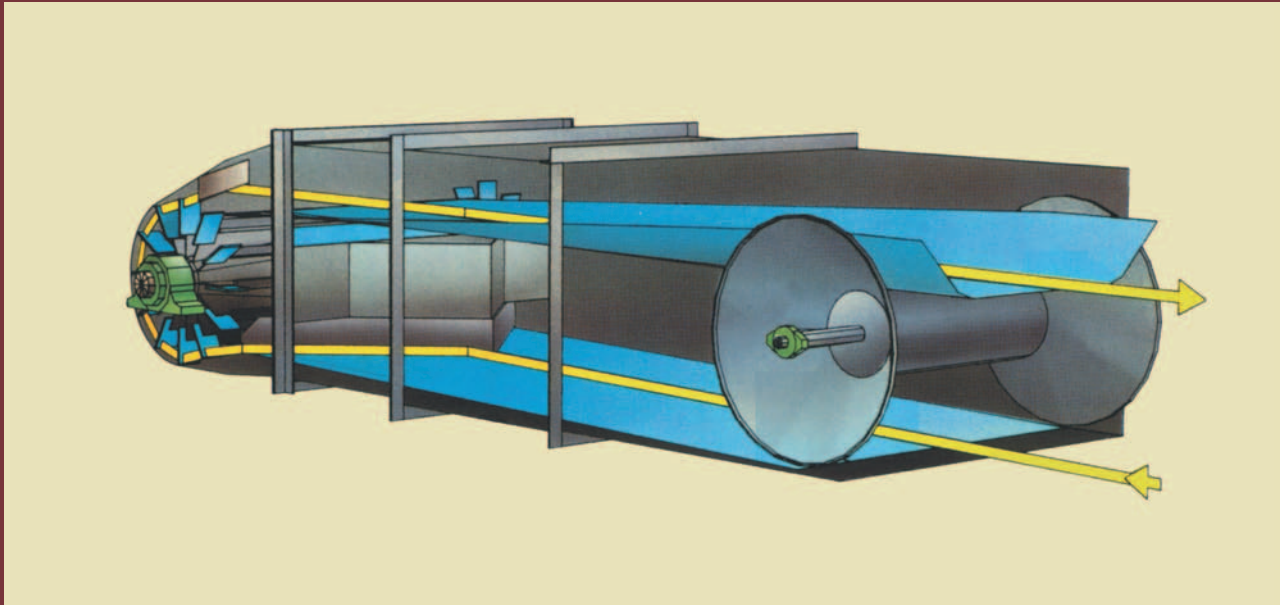


Quality Products The Problem Solver



Communication and open dialogue are key to any successful business relationship. We know enclosed belt conveyors, however, you know your product. Success is a team effort.

We look forward to hearing from you soon. We welcome your inquiries and also encourage you to visit our web site at www.hiroller.com. There you can download valuable design and installation tools, link to our suppliers, download product literature, or view installation photographs. Hi Roller can also provide you with AutoCAD blocks for use in planning your next project.



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 Belt Conveyors are heavy duty, low maintenance, safe, gentle and efficient. Hi Roller uses unique idlers which allow all bearings to be isolated from internal dust and contaminants. Internally, the troughing belt gently conveys bulk materials to the discharge point. The returning belt slides over an antistatic return liner and continually wipes the bottom enclosure clean of any dust or spilled material. The spiral winged tail pulley provides constant belt contact for extended belt life. The patented reloading system includes a rugged plow, reloading flippers and a stationary deflector. The absence of this feature can cause product build up, plugging, costly wear and downtime.





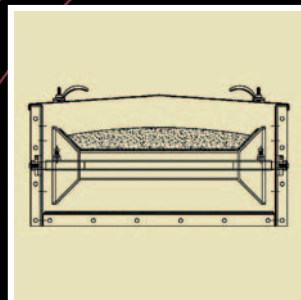
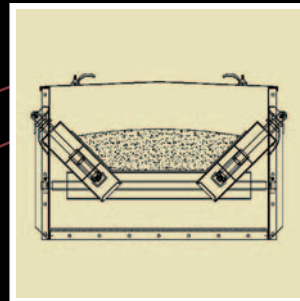
Consignor

The Consignor is the result of a special request from a client. It is a totally enclosed moveable tripper that can be incorporated in to any of our enclosed belt conveyor designs. The unit is totally enclosed and dust tight, and any carryover is automatically reloaded back on to the carrying surface of the belt. The Consignor is fully automated and remote controlled. As this product shows, we are constantly working with our customers to develop new products to suit your needs.



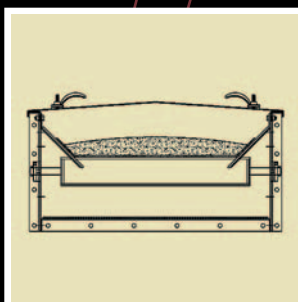
Hi Life Conveyor

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.



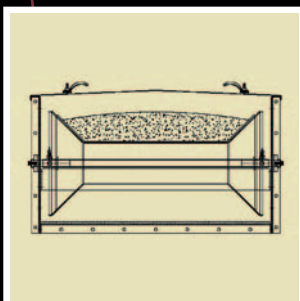
Mini Roller Conveyor

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 Conveyor

Available in belt widths from 16" to 36", the Lo 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.



Hi Roller Conveyor

Available in belt widths from 18" to 54", 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 bidirectional conveyors.



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