



D A Oldfield Ltd

GLASSWORKS TECHNOLOGY • PARTS • SERVICE

SALES BULLETIN No 001

GDO-1000 LEHR CROSS CONVEYOR (quick-change)



FEATURES

- ☀ Dry running triple sealed carbon cage bearings to all pulleys and rollers.
- ☀ Simple slide adjustment for inverted tooth belt and motor timing belt drive.
- ☀ Conveyor structure can be split into two halves and has fixed road wheels as shown.
- ☀ Quick release inverted tooth pulleys and chain support rollers.
- ☀ Hardened lehr dead plates.
- ☀ Top beam made in four sections and fitted with wear plates.
- ☀ Inverted tooth belt returns outside of the beam and is supported on rollers.

BENEFITS

- No oil or grease contamination.
- No lubricant required.
- No stuck-up bearings.
- No need to split or shorten inverted tooth belt.
- Easy and safe to manoeuvre in and out of site where space is restricted.
- Reduced down time to change or repair.
- Longer life.
- Conveyor can expand under heat without bending or distortion.
- Belt remains flexible, no metal shavings or damage to top surface of the belt or the glass.

Competitively priced for the latest design on the market.

DESIGNS • ADVANCEMENT • ORIGINALITY

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The GDO-1000 Lehr Cross Conveyor is designed to be manoeuvrable where space is of a premium on site. The entire structure can be quickly jacked up and pulled out of position using its fixed castors (figure 1.) to access the lehr entrance for removal of the lehr belt. The conveyor is constructed in two halves, joined with fish plates (figure 2). This is to allow the sections to be wheeled independently onto site through restricted accesses and reassembled during installation.

Figure 1. Conveyor legs showing jack screw and castors.



Figure 2. Fish plate joining section



Figure 3 is a view of the beam with inverted tooth belt running on wear plates and figure 4 is a rectangular section split beam with mountings for the belt return roller. The inverted tooth belt returns over rollers to give back bend, keeping the belt clean, cool and flexible. Locating the belt outside the beam eliminates risk of damage to top surface of the belt caused by dragging through the tube, which inevitably fills with dirt and metal shavings.

Figure 3. Wear Plates



Figure 4. Belt return pulley



Quick change pulley assemblies, as shown below, with high temperature dry carbon caged deep groove ball bearings require no grease or oil maintenance.

Figure 5. Idle roller



Figure 6. Belt return roller



Figure 7. Drive roller



The whole design concept is to reduce the risk of down time, minimum maintenance and damage to glass from metal and lubricant contamination. It is easy to install, has an extended life and at a value engineered price. Satisfaction Guaranteed!