Curve conveyor
for egg transport

Main facts at a glance

System widths
The width of the curve conveyor determines its capacity. At a speed of seven meters per minute capacities are:

<table>
<thead>
<tr>
<th>Width</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 mm</td>
<td>15,000 eggs per hour</td>
</tr>
<tr>
<td>250 mm</td>
<td>20,000 eggs per hour</td>
</tr>
<tr>
<td>350 mm</td>
<td>30,000 eggs per hour</td>
</tr>
<tr>
<td>500 mm</td>
<td>45,000 eggs per hour</td>
</tr>
<tr>
<td>750 mm</td>
<td>65,000 eggs per hour</td>
</tr>
</tbody>
</table>

The height required can be reached by means of adjustable floor supports. Several varieties are available and can be used as required. For safety reasons the conveyor chain is clad on both sides in a red chain cover. When an egg lift is used for conveyance a telescopic unit is required. This unit is completed with balancing and pivoting units on both sides and can be added at any point along the curve conveyor. Its length has to be in accordance with the height of the battery and will be produced according to individual requirements.

What we offer
We will be happy to create a made-to-measure recommendation to suit your individual requirements.

<table>
<thead>
<tr>
<th>Conveyor width</th>
<th>Ri</th>
<th>Rm</th>
<th>Ra</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 mm</td>
<td>420</td>
<td>540</td>
<td>660</td>
</tr>
<tr>
<td>250 mm</td>
<td>530</td>
<td>675</td>
<td>820</td>
</tr>
<tr>
<td>350 mm</td>
<td>750</td>
<td>945</td>
<td>1160</td>
</tr>
<tr>
<td>500 mm</td>
<td>1080</td>
<td>1350</td>
<td>1620</td>
</tr>
<tr>
<td>750 mm</td>
<td>1630</td>
<td>2025</td>
<td>2420</td>
</tr>
</tbody>
</table>

Driving units
The right choice of the drive units will depend on the length of the conveyor line, the different height levels and the number of bends. The individual engagement positions of the drives are calculated in the framework of the project for each project individually.

Therefore we recommend you to request for any project a layout. This ensures the selection of the correct drive positions and ensures the smooth operation of the conveyor system for a long time.
Curve conveyor for egg transport
Construction, function, technical details

The conveyor system is of crucial importance for egg farms of all sizes. Variations in battery arrangement always require a tailor-made individual solution. Therefore we based our LUBING curve conveyor on the following concept:

• Maximum operational safety and minimum maintenance.
• A unit construction system with elements designed to cope with any imaginable spot requirements, all kinds of curves, large differences in height and distances.
• Conveyor chain widths of between 200 and 750 mm (8 in. - 30 in.).
• Capacities ranging from 15,000 to 65,000 eggs per hour.
• Optimum rentability.

Many years of experience with LUBING Conveyor-Systems confirm our worldwide leading position.

The conveyor chain runs on stable plastic sliding profiles. The straight sections of the conveyor belt consist of connecting elements either 1 m, 2 m or 3 m long.

The side profiles and cross-struts are made of anodised aluminium. All plastic sliding profiles and guide elements are wear and tear-resistant and can be easily replaced on the system.

Intermediate drive
Conveyors over approx. 50 m length need an intermediate drive to support the front drive. Large conveyors require several intermediate drives.

End piece
Simple and safe redirection of the conveyor chain at the end with guide rollers.

Pivoting unit
Pivoting units are needed for upward gradients or downward gradients in the conveyor. These pivoting units are infinitely adjustable.

Connecting element
Connecting parts are available in closed and lateral open versions. The open profiles with dirt plates will be used at transfers.

Front drive
The front drive is the main drive for the conveyor. The tension unit for the correct tension of the chain is integrated in this drive.

Bend 90 degree
For curve guidance standard bends are available in 180°, 90°, and 45°-bends. Bends can be made in all degree numbers.

The LUBING Guide Unit
The LUBING Guide unit is used to distribute eggs evenly across the conveyor chain and to move them away from the transfer areas.

The LUBING Electric Drip-Oiler
The LUBING Electric Drip-Oiler offers automatic lubrication of the conveyor chain. The conveyor chain is properly lubricated for smooth and trouble-free operation.

Multiple drive
The multiple drive was developed for multi-tier conveyor. Hereby one engine, with a main drive shaft, can drive several conveyor lines at the same time.