

Egg Conveying Technology



Curve Conveyor for Egg Transport

LUBING
A Tradition of Innovation.

Curve Conveying System.

Cutting-Edge Technology.

Lubing Egg Conveyors have become the most trusted systems in the industry because of their exceptional quality, reliability, performance and trouble-free operation. ***Did you know that more than 75% of all table grade and breaking stock eggs are riding on a Lubing?***

The conveyor system is of critical importance to egg farms of all sizes. Variations in cage arrangement generally require custom designed solutions. Therefore we have built the Lubing Curve Conveyor on the following principals:

- Maximum operational safety and minimum maintenance
- Complete system available in all-stainless steel
- Modular construction system with elements designed to cope with any imaginable requirements; all varieties of curves, heights and distances
- Conveyor belt widths from 10 to 40 inches
- Capacities ranging from 27,000 to over 133,200 eggs per hour
- Lubing systems are the most reliable and trusted systems on the market

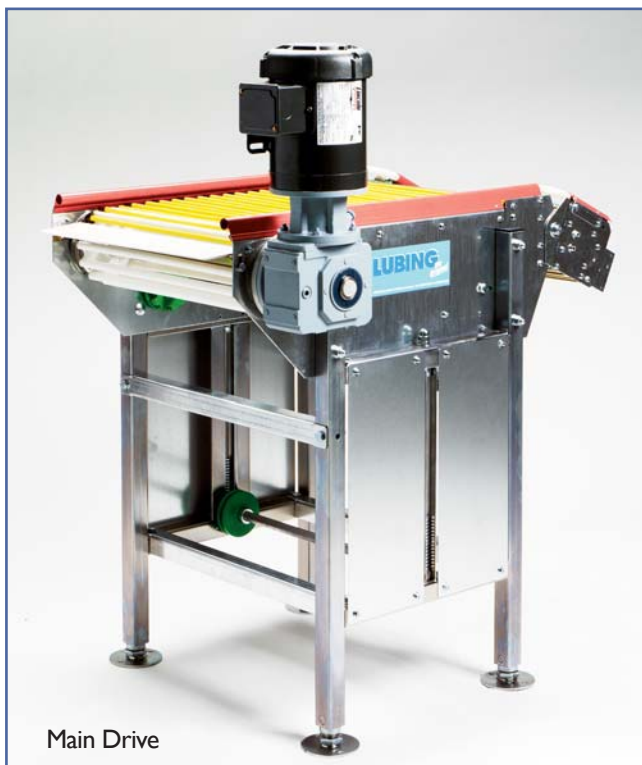


Installation of Curve Conveyor, Transfer Table and Dirty Egg Return Conveyor



Dirty Egg Return Conveyor

The Main Components.



Main Drive



Intermediate Drive



Mini Drive

Born to Ride.

Construction, Function, Details.

The heart of the curve conveyor is the electro-galvanized Lubing conveyor chain. It consists of two tempered external chains with welded cross rods or members. **The members are situated at one level to ensure that eggs land softly on the conveyor, can easily make their way through transfer areas and are not crushed on the inside of bends.** The distance between cross members is designed to allow the eggs to climb or descend a 20° grade. The conveyor chain runs across the top and bottom sections on plastic runners of the conveyor. The straight sections of the conveyor consist of connecting sections of 6-1/2 or 10 feet long.

Plastic coated chain is also available in type 500 and 750. The plastic is injection molded around each electro-galvanized rod.



Plastic Coated Electro-Galvanized Chain



Electro-Galvanized Chain

The side profiles and cross struts are made of anodised aluminum. All plastic runners and chain guides are wear resistant.

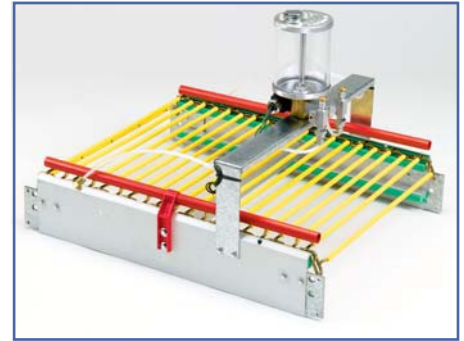
Elevation changes are accomplished by means of pivoting units. Standard 180°, 90° and 45° curve units, including S-bends, are available. Other angles can be made to order.

The height required can be reached by means of adjustable floor supports, or suspending from ceiling. Several varieties are available and can be used as required.

Both sides of the conveyor have red capping for safety purposes and to keep eggs away from the outer chain.

When a lift system is used for egg transport, a telescopic unit is required. This unit comes complete with balancing and pivoting units on both sides and can be added onto any point along the curve conveyor.

All motors and gearboxes are direct drive and to American standards.



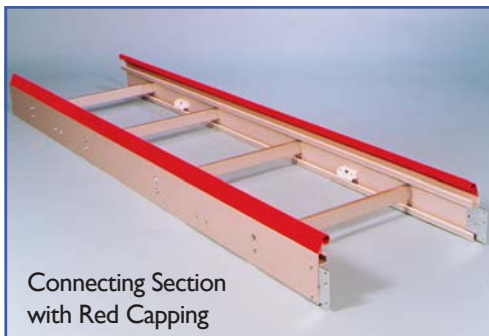
Electric Drip Oiler.

The Lubing electric drip oiler automatically lubricates the conveyor chain. It switches on and off automatically with the main drive. The adjustable oil feed ensures that the curve conveyor runs smoothly. The drip oiler is available for all belt widths.

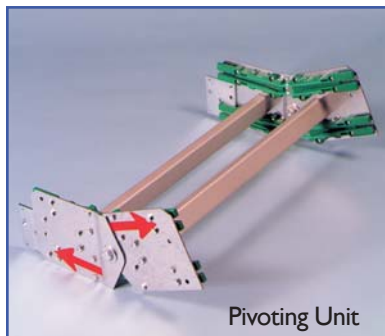


Diverter Arm.

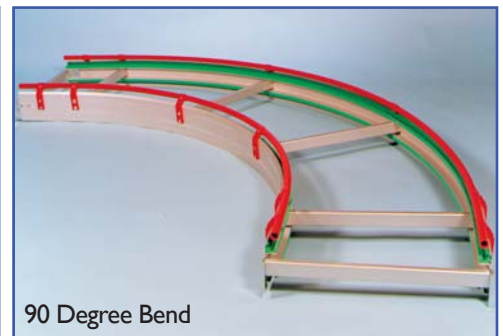
The Lubing diverter arm is used to distribute the eggs evenly across the conveyor belt and to move them from the transfer areas. It makes full use of the conveyor width and combines eggs from various cage rows in route. This unit is available for all belt widths, is easy to assemble and can be added to existing systems.



Connecting Section with Red Capping



Pivoting Unit



90 Degree Bend

Tech Talk.



Got Lubing? For additional information regarding our cutting-edge poultry products please call us at **423 709.1000**, use our toll-free fax line **866 289.3237**, write to **info@lubingusa.com** or visit our website at **www.lubingusa.com**.

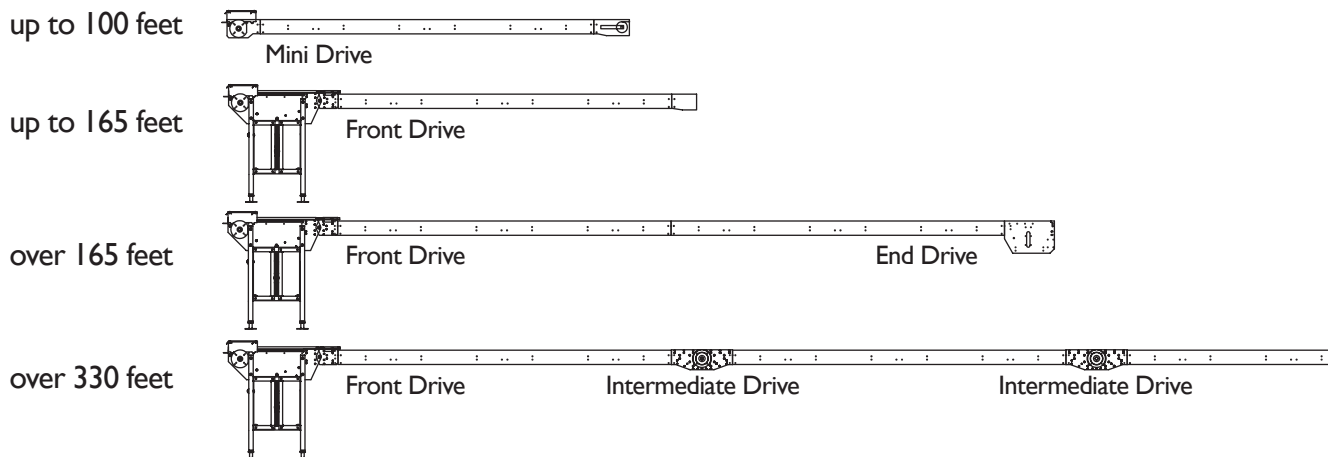
System Capacities

At a speed of 23 feet per minute, with adequate space for safe loading, the capacities are:

| | Width | Capacity | |
|-----------|-----------|--------------------------------|--|
| Type 250 | 10 inches | 27,000 eggs/hr (75 cases/hr) | |
| Type 350 | 14 inches | 39,600 eggs/hr (110 cases/hr) | |
| Type 500 | 20 inches | 59,760 eggs/hr (166 cases/hr) | |
| Type 750 | 30 inches | 99,720 eggs/hr (277 cases/hr) | |
| Type 1000 | 40 inches | 133,200 eggs/hr (370 cases/hr) | |

Drive Units

The selection of drives depends on the length of the system, changes in elevation, and the number of curves. The rule for planning purposes is illustrated below.



Technical details subject to change.
12 / 2003

