

Egg Conveying Technology



Curve Conveyor for Egg Transport

Curve Conveyor 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
- System available with stainless steel components
- Modular construction system with elements designed to cope with any imaginable requirements; all varieties of curves, heights and distances
- Conveyor widths from 10 to 40 inches
- Capacities ranging from 28,000 to over 143,000 eggs per hour
- Lubing systems are the most reliable and trusted systems on the market

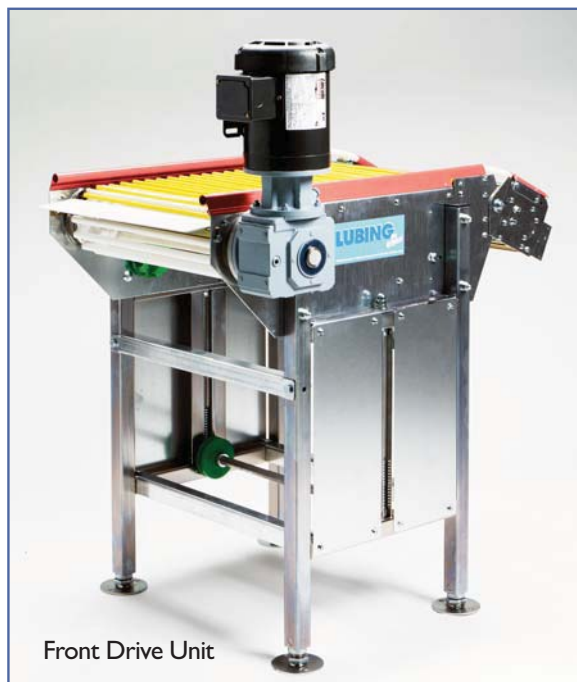


Installation of Curve Conveyor, Accumulator Table and Dirty Egg Return Conveyor



Dirty Egg Return Conveyor (Type 250)

The Main Components.



Front Drive Unit



Intermediate Drive Unit



Mini Drive Unit

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° slope. 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 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.

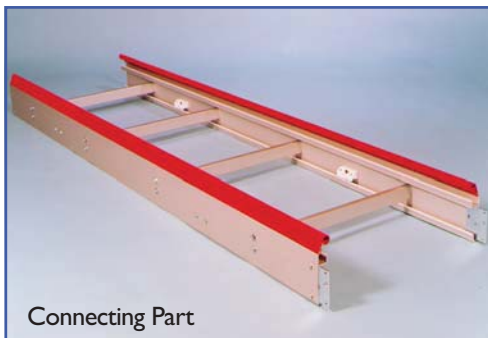
When a lift system is used for egg transport, a telescopic unit is required. This unit comes complete with balancing and pivoting units on both sides and can be added onto any point along the curve conveyor.

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

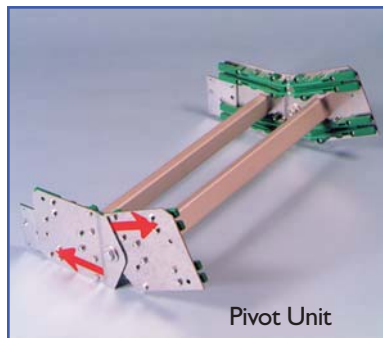


Electric Drip Oiler.

The new Lubing electric drip oiler automatically lubricates the conveyor chain ensuring a smooth ride and reducing premature wear on the system. It switches on and off automatically with the conveyor system. The drip oiler is available for all conveyor widths and can be purchased as a single or double unit. The single oiler unit applies oil on the top chain while the double oiler is designed for longer systems and applies oil on the top and the bottom chains.



Connecting Part



Pivot Unit

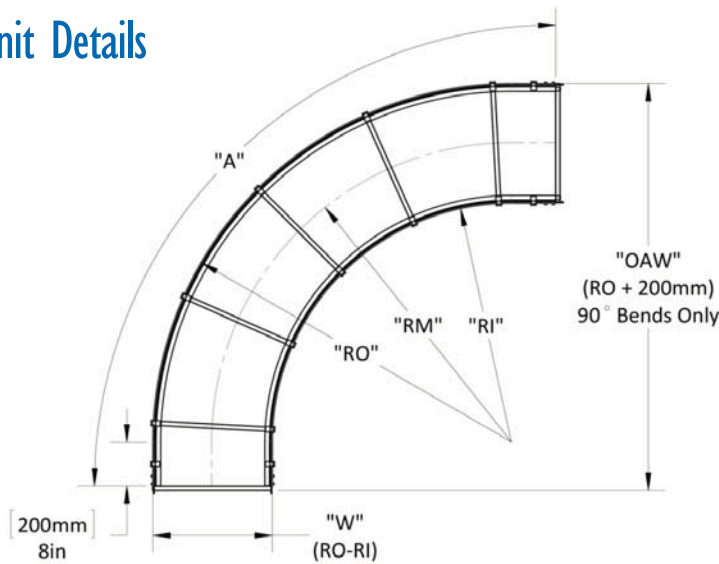
At a Glance.

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	32,400 eggs/hr (90 cases/hr)	
Type 350	14 inches	45,000 eggs/hr (125 cases/hr)	
Type 500	20 inches	68,400 eggs/hr (190 cases/hr)	
Type 750	30 inches	108,000 eggs/hr (300 cases/hr)	
Type 1000	40 inches	144,000 eggs/hr (400 cases/hr)	

Bend Unit Details



Bend Unit (45° and 90°)					
Part Number	Conveyor Type	A	RI (mm/inches)	RM (mm/inches)	RO (mm/inches)
4913	250	45°	530/20.8	675/26.6	820/32.3
4912		90°			
4852	350	45°	750/29.5	945/37.2	1140/44.9
4851		90°			
4813	500	45°	1080/42.5	1350/53.1	1620/63.8
4812		90°			
4882	750	45°	1630/64.2	2025/79.7	2420/95.3
4881		90°			

Technical details subject to change.
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