

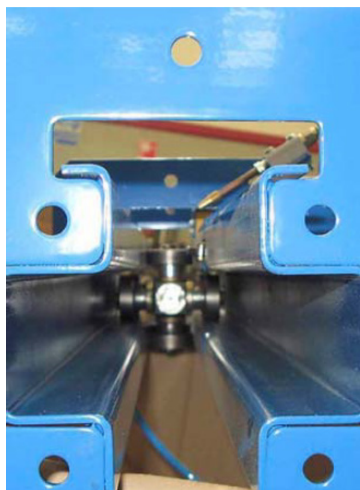
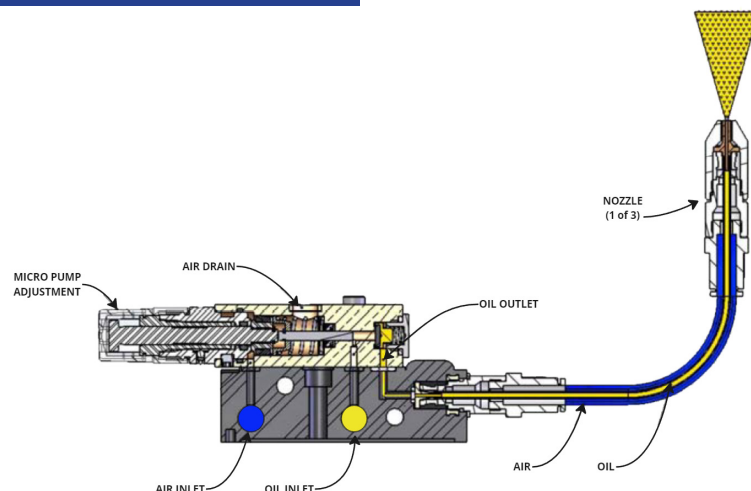


AUTOMATIC LUBRICATION SYSTEMS MONO + BIRAIL CONVEYORS



LubeTool Minimum Quantity Lubrication aka 'MQL'

These systems are designed to lubricate the conveyor roller bearings while they are in operation. A metered amount of lubricant is delivered out to the bearing via a small diameter capillary tube which is inside the air delivery hose. This air and oil droplet mixture is sprayed out the nozzle head at precisely the right time and quantity needed. Each conveyor will require one nozzle unit for the right side and one for the left side of the bearing. Sequencing can be timed for every roller or every other roller. The number of rollers, conveyor speed and the distance between the rollers are needed to properly set up the system.



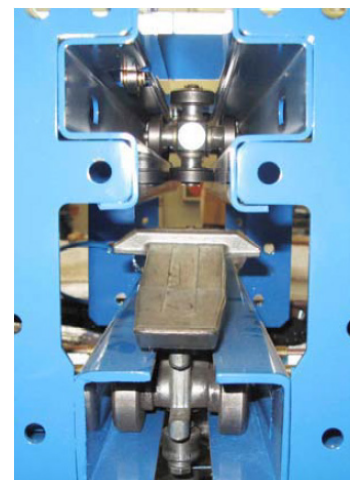
Typical Monorail System

Benefits

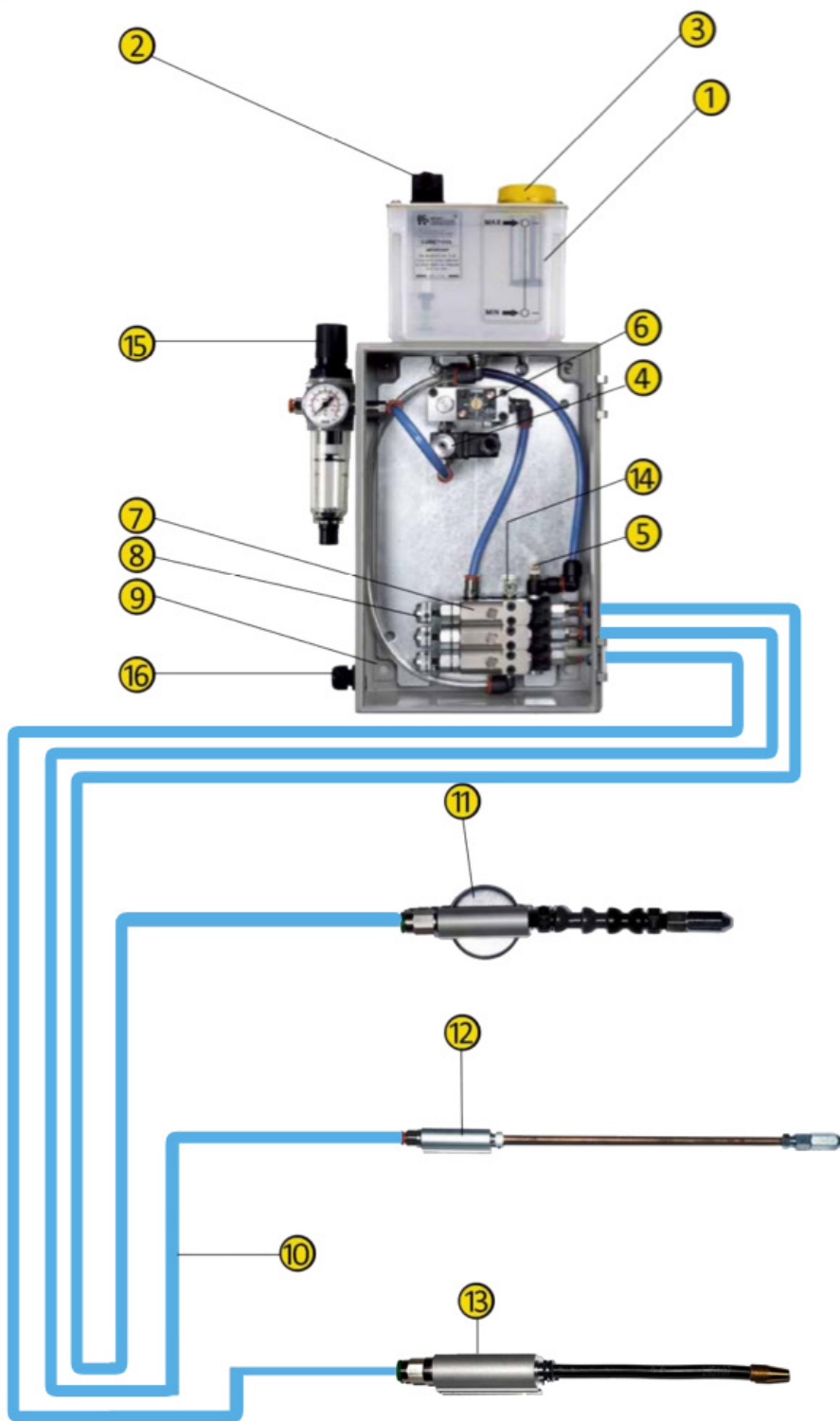
- **Fully programable:** adjust air and lubricant separately to pinpoint accuracy at each nozzle
- **No lost production time:** The lubricant is applied while the conveyor is in motion
- **No Mess:** A minimum quantity of lubricant is sprayed directly into the race of the bearings (*no dripping or mess to clean*)
- **Customizable:** Up to 8 spray nozzles can be operated from one tank (*16' lines included with each kit*)
- **Environmentally Friendly:** Natural 77 is a vegetable based ester that's non-toxic, odorless, food safe and biodegradable.

Function

A gravity fed reservoir sends the lubricant to each chamber of the micropumps. Air is sent to these pumps through the adjustable frequency generator. Up to 8 micropumps can be installed into an impact resistant locking plastic cabinet. Inductive sensors are placed along the conveyor path to activate the pumps on and off dispensing the lubricant for the desired duration. Choose from three different nozzle options to deliver the minimum quantity of lubricant necessary. This "near dry lubrication" eliminates the need for cleanup of unused oil buildup common with other lubrication systems.



Typical Bi-Rail System



Legend

1. Liquid Reservoir
2. Low Level Switch
3. Filler Cup
4. Air Supply
5. Air Regulator
6. Frequency Generator
7. Pneumatic Pump
8. Oil Flow Adjustment
9. Box
10. Coaxial Feeding Line
11. Loc-Line Magnetic Base Nozzle
12. Steel Fixed Base Nozzle
13. Decabon Nozzle with Magnetic Base + Push-In Fitting
14. Air Drain: *To purge air from the oil system*
15. Pressure Reducer with Gauge
16. Cable Gland