

### Chain Driven Live Roller (CDLR)

#### Transportation CDLR

- Chain driven live roller conveyor will be of the roller-to-roller design, whereby each roller will have two sprockets welded to one end for progressive roller chain loops. Chain loops will be #40 roller chain.
- Rollers will be 2-1/2" diameter tubing with #11 gauge wall, fitted with grease packed/non-re-greasable bearings and 11/16" spring loaded hexagon axles. Rollers will be equally spaced on 3 1/4", 4", or 6" centers. Common effective widths are 38", 44", and 54" (edge of chain guard to inside of opposite side frame). Side frames will be 1/4"x 6" formed drive side rail, a 1/4"x 4" opposite drive rail, and with welded structural cross-members.
- Chain guards, fabricated from #11 gauge steel, will be provided to fully enclose the roller chains. A circular cut-out will be provided in the guard to provide proper clearance around each roller without compromise in the safety aspects of the guard.
- Gearmotors will be right angle worm gearmotors, totally enclosed, NEMA "B", 230/460V, 3 phase, 60 Hz, with 1.5 service factor. Horsepower and rpm will be furnished upon completion of contract engineering.
- The motor mounting for CDLR will be by hollow shaft reducer mounted outboard conveyor.
- Supports will be vonGal's standard heavy duty design typically mounted on approximately 5' centers. Standard conveyor heights can be set between a minimum 8" and maximum 42" elevation from the floor to the top of the conveyor.



#### Available Alternatives

- Larger rollers (3 1/2", 4 1/2", or larger) are available.
- Chain loops can be #50 or #60 roller chain.
- Thicker wall rollers (#7 gauge) are available.
- An additional angle guide can be added for rollers set low requirements.
- Structural design frames can be provided.
- Rotating shaft design rollers are available.
- Heavier gauge chain guards can be substituted.
- Motors may be mounted either high or low at the side of the conveyor or in an under-slung position.
- Special paint colors can be accommodated.
- Sensors and brackets can be provided.
- Electrical controls are available as an option.
- Smart sensor control is available for ease of installation and simplicity of control logic.
- Special guides, pallet stops, P&D stations, AGV interfaces, and other customizations can be accommodated.

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