

CHAIN/SPROCKET VERSUS BELT/PULLEY COMPARISON

Cousins Packaging has designs that incorporate both the chain/sprocket and belt/pulley drive methods on various models. We use the belt drive when approved for the application after a thorough engineering review.

When it comes to turntable models we choose to use the chain/sprocket design based on years of observing and comparing the two different drive methods.

Both designs will wear during use so the important question to ask is

which design is more forgiving over a longer period of time?

The engineering answer is chain and sprocket.

Turntables driven with belts:

- some have a tendency to wear very quickly if they become misaligned.
- some can be cut by sharp objects.
- are negatively influenced by environment conditions such as dirt, dust, moisture, etc.
- if not installed and maintained properly they can slip especially with heavy loads.
- the belt has to be a special order and can only be purchased from the pallet wrapper manufacturer so that the replacement cost can be very expensive along with having only one source of supply.

Turntables driven with chain/sprocket:

- are more forgiving over a longer period of time as it wears.
- cannot be cut by sharp objects.
- are more adaptable to severe environment conditions.
- are easier to maintain and kept aligned properly.
- chain and sprockets are readily available locally at a fair price.



Chain Driven Turntable Features:

- ANSI # 50 direct chain drive c/w chain tensioner
- Maintenance free - 36 (2100-SRT) or 48 (LP-SW) roller bearing support system
- No steel on steel