

## motorised drum



Cox & Plant have designed a highly efficient motorised drum which is central to the effective handling of block frozen product prior to processing.

- No Mounting platforms, guards, chains or sprockets etc. required
- No greasing or adjustment of moving parts required
- Continuously rated with a design life of 50,000 hours
- Only maintenance is a 20,000 hour oil change taking a few minutes
- Complete system included in one purchase order
- Installation via two mounting brackets and electrical supply. No gear alignment or chain adjustment necessary.
- Requires minimum space affording greater flexibility of conveyor design
- Computer generated gear and stator casting design, resulting in lighter stronger castings offering greater resistance to deflection from belt tension
- High carbon steel or alternatively stainless steel shafts with hardness of 2000 improve seal life and dynamic friction by 50%
- The euro standard stator - rotor is wound to class F, is energy efficient and incorporates a full 360° stator lamination giving greatly improved heat dissipation
- Superfinish gears in 2 stage and 3 stage helical gear boxes give 5% higher efficiency than ground gears without the cost. Superfinish gives no metal to metal contact and allows the use of lighter lubricating oils thereby reducing motor friction and heat

## **Application**

**Frozen Meat**

**Frozen product**

**Raisins and Dry fruit**

**And many other products which need to be processed as individual segments**

## **DESIGN**

- Complies with CE EMC LVD legislation
- No grease or oil on chains, bearings or couplings
- Available in total stainless steel construction for food, drinks and pharmaceutical handling and processing
- Totally enclosed construction with gears manufactured to DIN 6 class giving very low noise levels (57 dba) that eliminate excess noise
- IP67 sealing proofing our drums against damage, incorporating metal cases PTFE seals capable of operating in the range of -20°C to 250°C to withstand regular steam cleaning wash down.
- Option to be fitted with a variable speed controller.

## **TECHNICAL SPECIFICATION**

The Cox and Plant Motorised Drum is manufactured from all stainless steel and supplied with a bead blast finish, facilitating lifetime free maintenance.

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