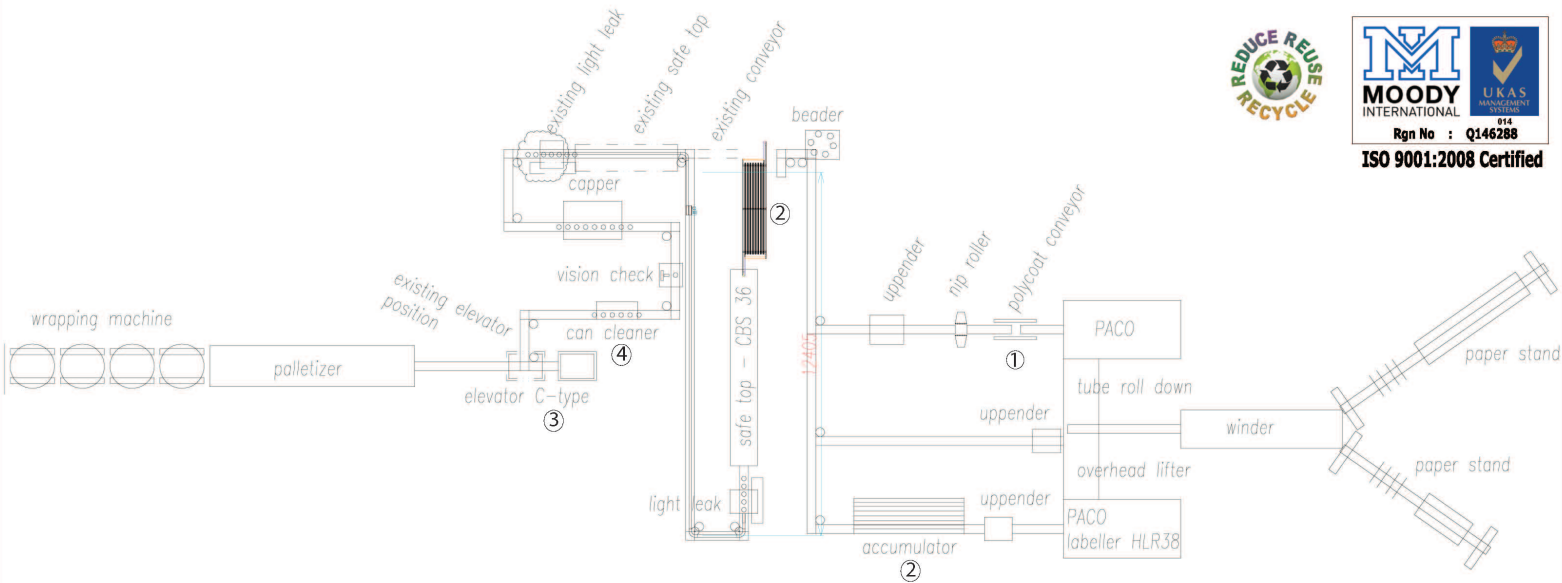


Composite Can Handling



The process of fabricating composite cans starts at the paper stand where brown paper and silver paper will be rolled to become the core at the winder machine. Then the tube roll down machine will transport the rolls to the PACO machine. At the PACO machine paper rolls will be cut to size after which the cut cans will then go through the necessary finishing processes.

Equipment Supplied by MODU System

The equipment that MODU supplies include Polycoad Conveyor, Upender, Accumulator, C-Type Gripper and Can Cleaner.



1. Combined Polycord with Upender

This specially designed machine consists of:

a) Polycord Conveyor

The function of this conveyor is to create gap between the cut to length cans before they change orientation at upender. It uses a combination drive to transport single polycord and twin polycord conveyors with different speed ratio.

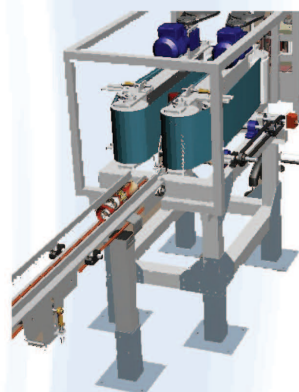
b) Upender

The function of Upender is change can orientation from a sleeping to standing position. It also comes with product diameter adjustment for diameters of approximately (0 - 150mm).

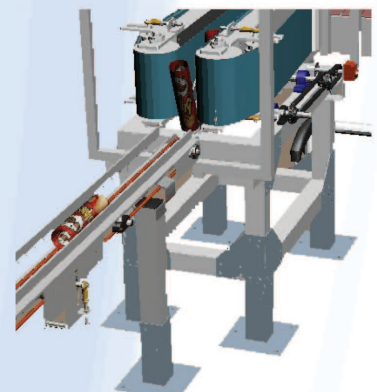
The upender is driven by two gear motors that are regulated by the speed inverters.



Combined Polycord with Upender.



Composite can from polycord conveyor traveling to Upender



Composite can changes orientation at Upender

2. Accumulator

Accumulation conveyor provides large storage capacity for composite cans with a relatively small footprint. The accumulator stores products to create buffer to accommodate other processes. The Accumulator utilizes a gear motor to drive alternate conveyor lanes. It also uses straight running chain to avoid damage to the can edge. Cans that fall, will be rejected at the turning ends. The number of lanes can vary from 3 to 9 lanes depending on the process.



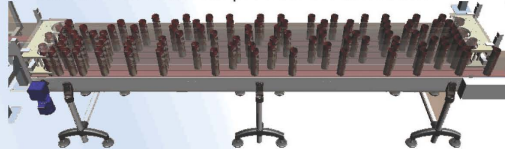
Complete Accumulator for Composite Can ready for delivery.



To avoid can from toppled when transferring from one conveyor line to another



Accumulator without product accumulation.



Accumulator with product accumulation.

3. Gripper System

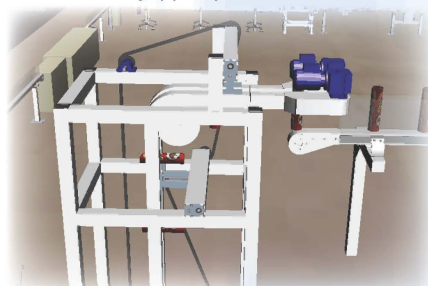
A Gripper Conveyor has many uses; it can be used to elevate products, lower products, or buffer products. It consists of 2 parallel sets of conveyor sections that are joined together on an adjustable mechanism which allows the unit to accommodate different size products. The Gripper unit can be configured to allow the product to be transferred at the same or different input/output transfer heights. The unit gently grips the product to be transferred and guides it to the next process.



C-Flow Gripper System

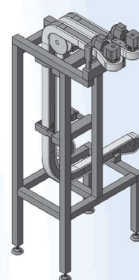


Composite Can being conveyor to the infeed of the gripper system.

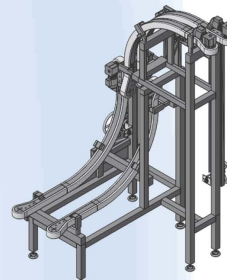


Composite Can at the outfeed of the gripper system.

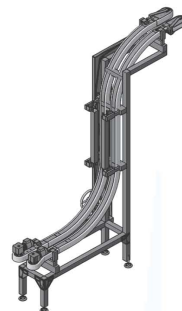
Other types of gripper elevator available:



Simple Gripper Upriser



Gripper Upriser



S-Flow Upriser

4. Can Cleaner

The main activity of a MODU System Composite Can Cleaner is to blow air into a paper can which eliminates dust inside the composite can. It also could be attach with fault detector sensors and a reject system.



Stainless steel rod is use to maintain orientation.



Product is transported to another machine while being dust blowing.



Completed Composite Can Cleaner ready for delivery.

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