



KMI Pulp Machines Inc.

## The Process

It starts with waste material such as ONP (news print ),  
OCC (corrugated ) or any other processed fibrous material



## With A KMI Moulder #6C

One of our most versatile custom moulders





### **Paper lifts and scales**

**The raw material is placed in a lifting bin.**

**Scales automatically weigh this material.**

**When the pulpers are in the automatic setting all the operator has to do is fill the bins with paper and push start.**

**The pulpers will fill to the pulping level with water and then dump the paper, automatically, begin to pulping process.**

**They will pulp to a preset time by the operator and then fill to 1% solution ready for forming.**

**When the paper is dumped the bin will automatically return to the loading position.**

**As long as the operator fills the bins, the pulpers will continuously make pulp, automatically**





## Pulping

The pulping time and the speed of the pulper is set by the operator, for optimum pulping performance.

## Agitation

When the pulping is finished the pulper automatically fills, to bring the solution to 1% consistency for forming.

When the pulper is empty the cycle starts over automatically.



## Pulp Screen

The pulp solution automatically fills the moulding vat when the operator sets the main moulding system on auto.

This pulp passes through a vibrating screen to remove any unwanted materials as it fills the circulation tank.



## Forming

The drum rotates into the pulp solution to form the product. The weight is determined by a preset forming time set by the operator.

The dies are cleaned by a die wash system and the product is cleaned by a decal wash system.

## Transferring

The drum rotates to the transfer position where the product is picked up by the transfer. The transfer rotates over the conveyor and places it on the dryer.

There is a transfer die cleaning and oiling system for optimum transfer performance.



## Drying

The product passes through the dryer the drying temperature is automatic. The temperature is preset by the operator at the main control panel.



KMI Pulp Machines Inc.

## The dryers

The dryer has built in interlocks to control the temperature in case the moulding process stops.



## Out Conveyor

The product is removed by a out conveyor and for those products that will not stack, they are packed by hand on a packing table.

## Secondary Processes

It is at this point that the product could go through a secondary press process, printing or out to a stacker.





KMI Pulp Machines Inc.

## Stacking large trays

Stackers will count and stack products in bundles to a preset number set by the operator.



## Stacking egg flats

Egg flats can be stacked in bundles up to 100 pieces, at a rate of 80 drops per minute. They then go onto a packing table where they are pressed to a consistent length and bagged.

## The finished product

The product is then skidded and shipped out the customer.

