

Lu An Mill

CP solution #6



Photo 14: 90 kW motor used for cardboard machine vacuum pumps

The mill used to operate one of its cardboard machine vacuum pumps with a 110 kW motor. By replacing it with a 90 kW motor, the mill was able to save on electricity.

CP Solution #7



Photo 15: Additional cardboard machine headbox

since low grade pulp is cheaper than high grade pulp.

By the addition of a third headbox, the mill can now produce a three ply cardboard using low grade pulp in the mid-ply. Prior to the implementation of this solution the mill used to produce two ply cardboard which required high grade pulp for each ply. This solution represents an interesting financial saving

CP Solution #10 & #13



Photo 16: White water recycling pump

This pump allows the mill to use white water in the cardboard pulper instead of freshwater.

CP Solution #11

Fibres are recovered from the white water flotation basin (photo 17) and thickened using an inclined (photo 18). This solution allows the mill to sell the recovered fibres and to reduce the organic load of its treated effluent.



Photo 17: White water flotation basin



Photo 18: Inclined screens

CP Solution #14

Ashes generated from the boilers are sold as filling agents in construction materials. This solution allows to avoid landfilling of ashes.



Photo 19: Ashes generated from the boilers