VEQTOR
CONVEYORS AND AUTOMATION

CASE STUDY

Client Application

Our client SOTA Packaging a manufacturer of recyclable paper cans required the automatic accumulation and palletisation of loose multilayer paper cans with layer boards. The palletising rate required was 120cpm. Another requisite was inline accumulation followed by single file post accumulation for further processing to fit a paper base followed by delivery to a palletiser. While this is a simple solution when dealing with round cans, the cans were rectangular with radiused ends, varying heights, and paper based cans with limited strength.

Solution

VEQTOR was able to provide a solution that not only accumulated the cans in mass flow with minimal pressure but also single filed the oblong open-ended cans in a very short space. The Robot Pick Station system collated the oblong and round cans into a neat pattern for palletising. The robot head was designed to cope with three functions the vacuum head to pick half a layer of cans per cycle, the layer board and pallet placement on the conveyor.

Project Delivery

VEQTOR took the client brief understanding the space and cost constraints and designed and delivered the turnkey project on time and meeting performance requirements. VEQTOR also assisted with site layout drawings and delivering a 380m2 insulated sandwich panel clean room.

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