

PACKOUT LINE AUTOMATION NO: 306

THE APPLICATION: Automating Tile Flooring Packout Lines

THE PRODUCT: 24V Flat Motor Driven Roller Conveyor and Urethane Belt Transfer

THE INDUSTRY: Construction Materials

THE NEED: A flooring manufacturer needed to create an automated accumulation and merge system to replace a very labor intensive stacking, loading and unloading process.

THE SOLUTION: Omni Metalcraft Corp. provided two sets of dual lane zero pressure accumulation Flat Motor Driven Roller Conveyor feeding a common merge line. There were two different tile sizes that each ran down a dedicated line each feeding a set of two lanes. Four lanes of unpackaged stacks were loaded randomly due to an inspection process preceding the packaging and palletizing operation. The zero pressure accumulation would allow stacks to feed and release automatically onto the merge lane when the zones were empty. All four lanes would merge into one lane for a boxing operation.

■ Zero pressure accumulation

■ Flat motor driven roller conveyor



■ Photo eyes and ZP logic

■ 24V DC MDR driven urethane belt transfers