



APPLICATION NOTE

Product Re-Direction

Meech Air-Tec Air Amplifiers

Problem

Crisp packets moving down a conveyor, needed to be re-directed to a delivery chute, and transported to a multipack bagging station. Pneumatic actuators activated the system. Due to the high frequency of this process a large amount of the actuators began to fail. The high level of failures meant replacement of the actuators was necessary - leading to expense and downtime.

Solution

Two Meech Air-Tec Air Amplifiers positioned at the top of the delivery chute produced enough airflow to blow the crisp packets to the multipack bagging station. Meech Air-Tec Air Amplifiers replaced the pneumatic actuators, as they have no moving parts and are maintenance free they eliminated the down time spent on repairs for this process. By entraining ambient air a Meech Air-Tec Air Amplifier can offer you an amplification ratio of between 12 and 25:1, making it capable of producing output flows between 100 and 2000cfm.

Fig.

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