

REDDRIVE® AERO 325 PRESS POWER ALERT SOLUTIONS

CASE STUDY



PROBLEM

SLOW COOK ALERT

Distribution and fulfillment centers process thousands of boxes and products every day. To decrease the splice time of belt-driven roller conveyors, a facility purchased Mi Conveyance Solutions' RedDrive® belt and splicing system. A problem occurred when the Aero 325 press was plugged in and began to cook the belt. Within minutes the press started beeping, displayed an amber light and flashed a "Heating up slow" screen. The customer began to wonder if the press cook would still complete the splice and why it showed an error.

SOLUTION

HIGH-QUALITY POWER

Mi belt specialists were called in and discovered that the extension cord could not properly heat the press. It would complete the full cook, but take longer to do so. In one test, a small 16-gauge extension cord caused the cook cycle to go from 18 to 25 minutes. The more the power was split or constrained, the more likely the press was to recognize the cooking cycle as too long and alert the user.

Mi Conveyance Solutions recommended the customer use a 10–12-gauge, 15-amp extension cord, but to be aware that the longer the cord, the more power could be impacted. Testing 50', 12-gauge and 100', 10-gauge extension cords provided the best options.

IMPROVED OPTIONS

Though the Mi Conveyance Solutions Aero 325 press comes standard with a 110-volt, 15-amp power cord, a 110-volt, 20-amp power cord is available and will provide an even quicker splice time. The stronger, cleaner power decreases cycle time by up to 20%, and the optional replacement cord works with any press provided by Mi Conveyance Solutions. There are two ways a customer can achieve this quicker splice (*note: the 110-volt power outlet must be capable of 20-amp service*).

- Plug the 20-amp power cord directly into the 20-amp receptacle
- Purchase a strong 20-amp extension cord, but keep it as close to the power source as possible

KEY POINTS

- The right power and extension cord makes the difference between a standard or extended cook time
- Split or constrained power worsens cook times
- Achieve up to 20% faster press cycle times with a 110-volt, 20-amp cord
- Two power cord options:
 - Mi Item #: 08286380 – 110-volt, 15-amp Power Cord
 - Mi Item #: 08588230 – 110-volt, 20-amp Power Cord

