



CUSTOMER SUCCESS - MAJOR AUTO MANUFACTURER

CUSTOM RANDOM SEMI-AUTOMATIC CASE SEALERS REDUCE FOOTPRINT AND INCREASE EFFICIENCY

Customer Overview

Amidst the challenges of the COVID-19 pandemic, a leading automaker grappled with labor shortages, prompting a strategic shift towards enhancing its in-house distribution. To improve efficiency, it made the bold decision to automate its packaging process with automated case sealers, replacing traditional manual methods.

The Challenge

The automaker experienced labor issues, leading them to shop for case sealer options. Competitive case sealer options did not accommodate their box sizes or possess the automation requirements to run their operation more efficiently.

Proposed Solutions

The automaker's third-party logistics (3PL) coordinator highly recommended IPG's case sealers to meet their specific requirements. When the 3PL, also serving as a distributor, introduced the high-speed random semi-automatic top belt RSA 2625-TB machine to the automaker, it immediately piqued their interest.

Through IPG's innovative Try/Buy Program, the customer can purchase and test a single machine for a two-week trial period before committing. This machine boasts an impressive operating range, accommodating box sizes ranging from 2" to 25" in height and 6" to 26" in width. It stands out as one of the fastest machines on the market, capable of sealing over 20 boxes per minute with belt speeds reaching 121 feet per minute. The RSA 2625-TB features IPG's state-of-the-art lightweight ET Xtreme tape head (ETX), equipped with patented dual independent wiping tabs that ensure a secure seal without compromising the box's integrity. The unique centering guides with rollers hold boxes firmly in place, allowing operators to pack auto parts efficiently. Additionally,

operators can utilize the infeed table as a workspace, further enhancing productivity.

Following the trial, the manufacturer's safety team requested a custom guarding package for the machine, and IPG's engineering team promptly designed a solution tailored to the automaker's exact specifications, precisely what the automaker requested.

Results

During the trial, the automaker was thrilled with the performance of the RSA 2625-TB case sealer featuring the ETX tape head, prompting them to invest significantly in 27 machines, each equipped with a custom guarding package. Their enthusiasm stemmed from the advanced sensor feature on IPG's infeed table, which enabled precise box control and optimized filling before entering the case sealer. This innovative feature saved time and significantly boosted efficiency, all while conserving valuable workspace due to the machine's compact footprint.

Conclusion

In total, the automotive manufacturer acquired 27 RSA 2625-TB case sealers to enhance existing BP333 manual packing lines, utilizing IPG carton closure tapes. They're exploring supply agreements and considering the iTrack system for efficiency, generating \$500K in equipment and \$100K+ annually in tape sales.

Team Information

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