

Application Study

FULLY AUTOMATIC SOLUTION WITH APAC AND VISION



SOLUTION

- APAC
- 2 RM3065
- Customized tooling
- Vision system
- Tape low sensor
- Status indicator light
- Dual rewind reel
- Dual tray shuttle

FEATURE & BENEFITS

- Visual inspection of the name plate at the peel position and the target part in a molded tray ensures fully automated, accurate placement within a tolerance of ± 0.002 ".
- The dual tray shuttle allows for semi-automated operation. The operator loads/unloads one tray shuttle while the APAC assembles on the other. The only other operator responsibility is changing rolls of adhesive.
- The dual rewind reel option cleanly removes both the waste liner and the cover liner protecting the name plates.
- To ensure reliable adhesion, the servo-driven z-axis holds the name plate to the housing for three seconds at 60 pounds per square inch (psi).
- The APAC can be modified easily for a new generation of mobile phone housings and name plates at minimal expenses: The chuck is the only custom tooling that must be changed.



CHALLENGE

- The name plate is inflexible and must be placed into a tight recessed area.
- High accuracy is required.
- A specific adhesion processing time is required.