



EMPIRE ABRASIVE EQUIPMENT COMPANY

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EMPIRE EQUIPMENT NEWS

PROCESS: “Deflash is back at Empire” - To meet a customer’s need to deflash electronic components, Empire designed and built a fully automated



magazine handling airblast system to process over 3000 components per hour. An operator inserted the magazines and the system would unload the component strips containing 32 parts, deflash and reload the strip at the exit end.

INDUSTRIES: Electronic Molding, Component Manufactures, Mold Companies

EMPIRE EQUIPMENT :

- IL-3660 PRC12 Inline System w/ feeders
- STAINLESS STEEL Blast Cabinet
- Powered belt handling conveyor
- Automated part handling system
- Magazine handling and part loading.
- 8 fixed suction guns & 4 cu. ft. hopper
- Fault sensors to detect malfunction
- Wet blow-off system so ensure clean parts

The magazines are loaded in a stack and mechanically transferred to the component discharge area. The unload finger pushes the strip out of the magazine and into the



belts. The belts convey the strip past the nozzles, which clean and deflash dedicated areas with plastic media.

After blast, the part is rinsed with a mist to remove dust prior to being reloaded into the magazines, as shown above.

The full magazines are transferred to a holding stack for removal by the operator. Sensors provide process management to ensure positive production results.



Included in the package was a fully STAINLESS STEEL weldment to withstand the wet environment and the system’s continuous duty cycle.

For further information on Empire's complete PRODUCT LINE and OPTIONS, please contact your Local Distributor, call Empire at (215) 752-8800 or visit our WEBSITE – <http://www.empire-airblast.com/>