



## Is Fully Automatic Bond Testing Possible? » Automatic load and unload

### Automatic load and unload

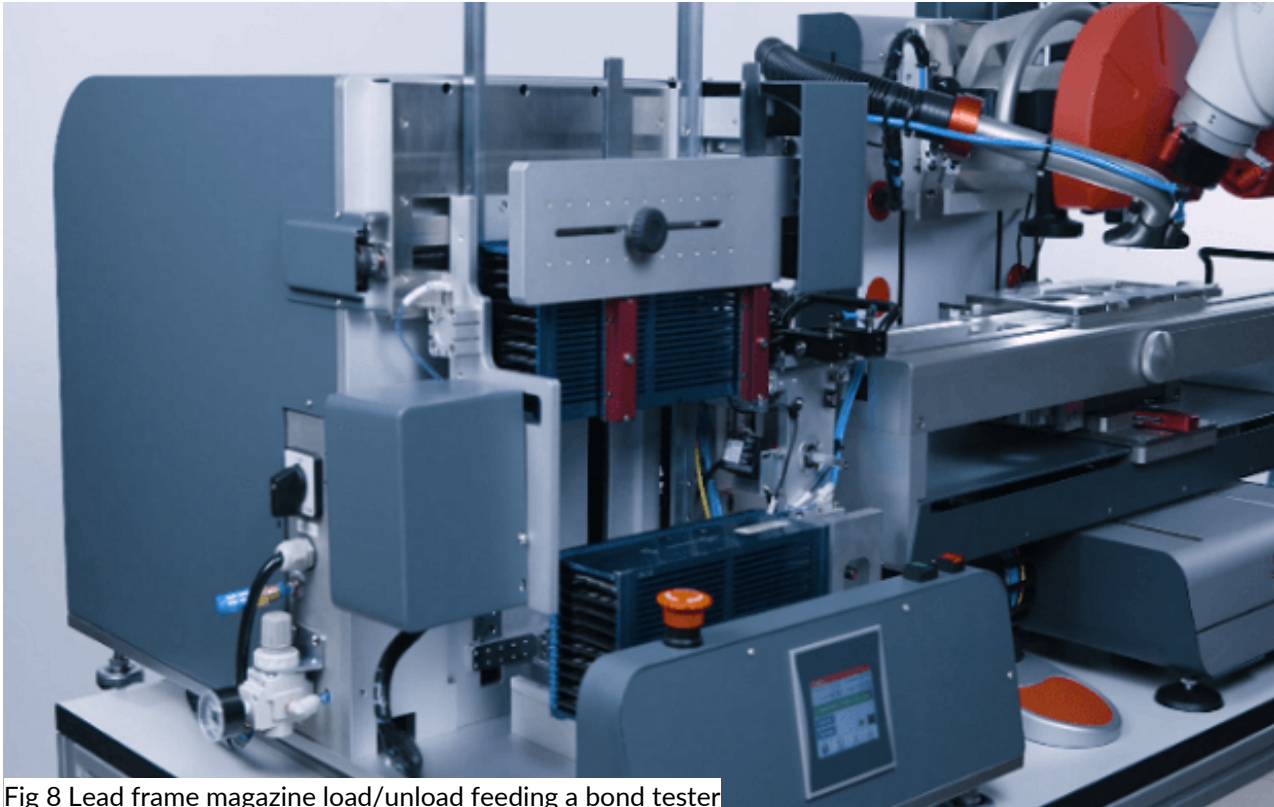


Fig 8 Lead frame magazine load/unload feeding a bond tester

The problem of automatic load and unload is already solved for the wide range of production line equipment and as illustrated in Figs 8 and 9 can be adapted to the bond tester.

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Fig 9. 300mm EFEM and four wafer load/unload feeding a bond tester

## Continue to read:

1. Introduction
2. What is Required for Automation?
3. What is Possible with Modern Automation?
  - Multiple test heads
  - Accurate tool positioning
  - Automatic load and unload
  - Machine Vision
    - Measurement of gross sample position (fiducial camera alignment)
    - Accurate automatic alignment for variations in bond position
    - Automatic failure mode analysis (auto grading)
  
  - Test debris management
4. Non-Destruct Testing
5. Conclusion

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