



Build-to-Light

Light-Directed Assembly

Assembly Accuracy at the Workstation

Build-to-Light provides light-directed control at dedicated assembly workstations. Visual indicators above component bins guide operators to the correct parts and quantities at each build stage.

By controlling part selection at the workstation, the system improves accuracy, reduces assembly errors, and supports consistent, right-first-time build performance.

In bench-based production, operators assemble defined products using fixed component bins within reach. Build-to-Light illuminates the required bins and quantities for each stage, supporting precise selection while maintaining workflow efficiency.

Typical Bench Configuration:

- Bench-mounted component walls
- Integrated light modules above bins
- Static bin or flow rack presentation

Applications

- Repetitive product assembly
- Variant-based builds
- Small component installation
- Quality-critical workstation assembly

Build-to-Light strengthens assembly accuracy at the workstation, supporting reliable build performance.



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Assembly Accuracy at Line-Side

Line-side assembly involves multiple build stages requiring correct component selection. Product variation increases the risk of incorrect part selection at each station.

Build-to-Light provides clear visual indication of required components and quantities at line-side, ensuring accurate selection without disrupting production flow.

Typical Line-Side Configuration

- Line-side shelving with integrated modules
- Bin or flow rack presentation for small components
- Station-based light indicators

Applications

- Staged production lines
- Multi-variant assembly
- High-volume manufacturing
- Quality-critical line-side operations

Build-to-Light strengthens assembly accuracy at line-side, supporting efficient production.

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