

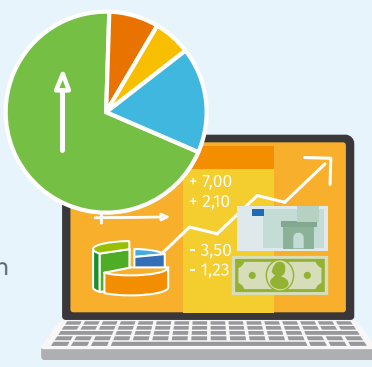
# THE EVOLUTION OF AUTOMATION



## How CPGs Use Automation Today

**69%**  
OF END USERS

forecast **capital budgets increasing** in the next 24 months.



**86%**  
OF END USERS

are collecting at least some machine data now (including manually) to be used for **preventive maintenance and maximizing uptime.**



### Trends Driving Investments in Manufacturing Automation

- ✓ Keeping up with demand
- ✓ Worker safety
- ✓ Reducing operating costs
- ✓ Loss of labor
- ✓ Preventing waste
- ✓ New product processing
- ✓ Packaging reduction
- ✓ New package designs



**25%** OF END USERS

have a budget specifically for **automation investments.**

### The 5 most significant improvements that automation will achieve:



Run multiple sizes



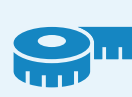
Reduce labor



Efficient shorter runs



Minimize changeover time

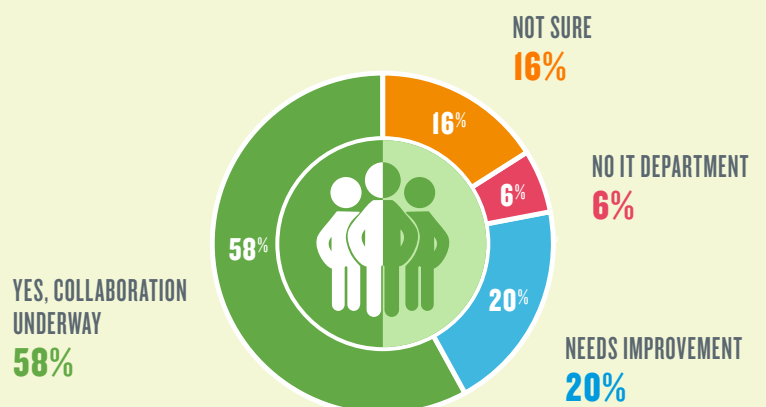


Measure line efficiency to maximize uptime

## Implementing Packaging Automation

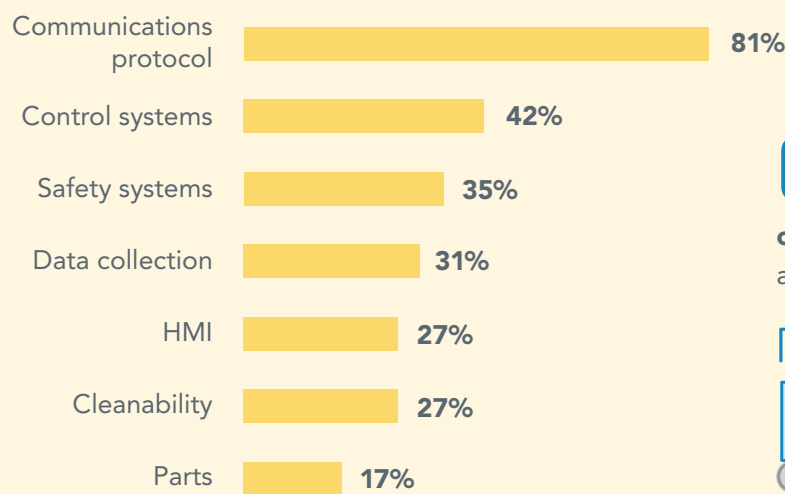
### OT and IT working smarter, together

OT (operational technology) and IT (information technology) can work together to create a smarter plant floor. **58% of companies' OT and IT departments are moving toward collaboration.**



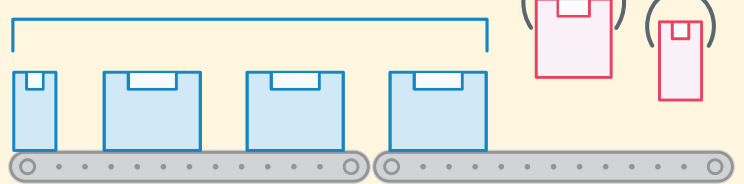
## Looking Ahead

### The industry agrees on the need for standards:

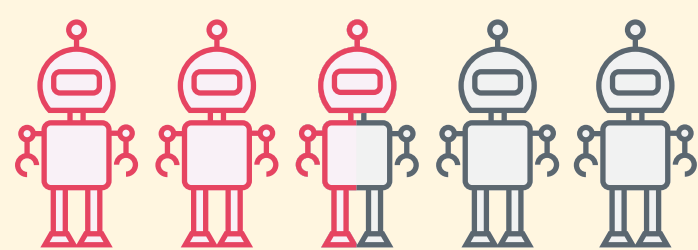


**68%** OF COMPANIES

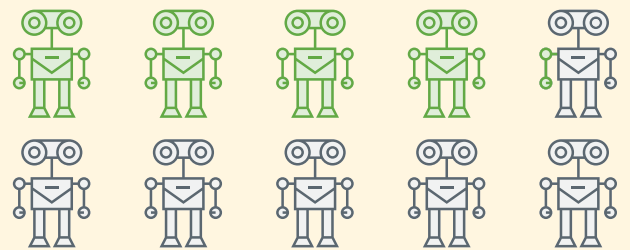
created **new jobs** after increasing automation.<sup>1</sup>



### End users will use robots in automation solutions



**55%** will use **collaborative robots.**



**43%** will use **high-speed robots.**



**April 16-18, 2018**  
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<sup>1</sup> <http://press.careerbuilder.com/2014-07-31-One-in-Five-Companies-Have-Replaced-Workers-with-Technology-According-to-New-Research-from-CareerBuilder-and-Economic-Modeling-Specialists-Intl/>