

Integrated manufacturing operations for consumer packaged goods

Digital transformation opportunity for CPG manufacturers

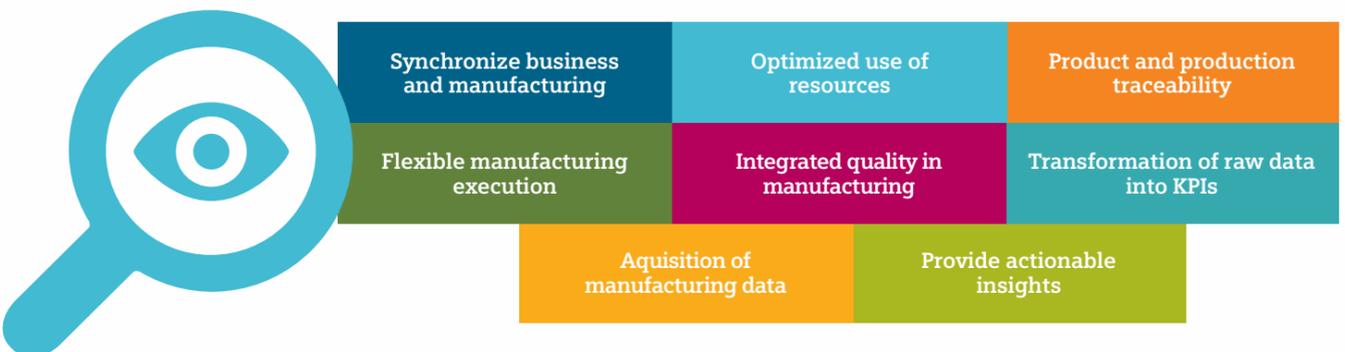
Current consumer packaged goods market trends

Growing market	Personalization	Private label/ tier 2 brands	Global expansion
5.5% CAGR through 2023	40K new product launches North America, 2016	60% new product launches North America, 2016	31% Asia-Pacific market growth
<small>(Source: Euromonitor, Passport 2019)</small>	<small>(Source: L.E.K. Consulting – Executive Insights CPG 2018)</small>	<small>(Source: L.E.K. Consulting – Executive Insights CPG 2018)</small>	<small>(Source: Euromonitor, Passport 2019)</small>

Challenges for CPG manufacturers

Demands for high quality 	Regulatory compliance  <small>Global and regional</small>	Higher costs 
Increasing variety  <small>in products and recipes</small>	Changing consumer demands 	Selling trust and corporate identity 

Key focus areas for CPG companies



Opcenter offers Smart Manufacturing for CPG



Integrated manufacturing operations help to realize business benefits



Automated execution of Production orders ✓	Optimized production time ✓	Increased manufacturing efficiency ✓	Improved product quality ✓
Quality consistency ✓	Regulatory compliance ✓	Real-time production monitoring ✓	Process visibility for continuous improvement ✓

Discover how CPG companies increase manufacturing flexibility and efficiency while maintaining consistent quality – visit www.siemens.com/integrated-manufacturing-operations