

P&G GROOMING & ORAL CARE DIVISIONS

Procter & Gamble Drives Major Efficiency Gains and Future-Proofs Production with Advanced Machine Vision and AI



OVERVIEW

Proctor and Gamble needed to modernize two of their most important manufacturing plants. Their Grooming and Oral Care facilities were aging, and their inspection processes needed a serious overhaul. We were able to create customized solutions that combined AI and Machine Vision that turned bottlenecks into a consistent competitive advantage.

By partnering with companies like Peak – a pioneer in automation – Zebra can provide solutions that work for the reality of today's manufacturing environment and lay the groundwork for future automation initiatives

THE CHALLENGE

Proctor and Modernization Bottlenecks Impacting Growth

Procter & Gamble, a world leader in consumer goods, faced significant operational hurdles in its Grooming and Oral Care divisions. Outdated machine vision and inspection systems were creating a bottleneck, hindering efficiency and future growth.

- The Grooming division razor blade assembly lines were limited by aging inspection technology that could not scale with their automation goals.
- The Oral Care division's ambition to double production was stalled by an inaccurate vision system, leading costly production delays, and quality control challenges.
- Both divisions required a unified, intelligent solution to not only resolve these immediate issues but also integrate with their existing automation infrastructure and provide a scalable path for future innovation.

THE SOLUTION

Results-Driven Partnership with Zebra Technologies

P&G partnered with Zebra to implement a state-of-the-art, AI-powered machine vision platform. The focus was on deploying a flexible and intelligent system capable of delivering immediate results and long-term value.

By intelligently identifying defects and reducing false positives, the system directly addressed the root cause of production delays and quality issues. The platform's hardware design allowed for seamless integration with P&G's existing industrial control systems, protecting previous investments and accelerating the upgrade.





RESULTS & OUTCOMES

A More Efficient, Flexible and Future Ready P&G

The implementation delivered significant, measurable improvements across P&G's operations, shifting the focus from product specifications to business outcomes.

- **Greater Efficiency:** Boosted production by sharply reducing false rejections, which minimized costly shutdowns and increased overall throughput.
- **Seamless Integration:** Integrated smoothly with P&G's existing automation systems, leading to a faster, more cost-effective upgrade that leveraged their current hardware.
- **Future-Ready Platform:** Provided a scalable, AI-powered platform that gives P&G the flexibility to adopt new technologies ensuring future innovation.



Conclusion

By deploying an intelligent, adaptable machine vision platform, P&G transformed inspection from a production constraint into a scalable advantage. The collaboration with Zebra Technologies, and partners like Peak Automation Intelligence can deliver immediate efficiency gains while positioning P&G to support future growth and innovation across its Grooming & Oral Care operations.



Contact your Peak or Zebra Technologies representative for details on the automated inspection systems running at P&G today. Call 1-888-597-3650 today!