

Expertise: Product Development, Production Development

Industries: Life Science, Manufacturing

A long-term partnership of automation and innovation in the hygiene industry



Overview of the partnership

Partners: A global hygiene company and Consat Engineering.
Objective: To drive technical development and cost efficiency through automation, vision systems and product innovation – from diaper production to dispenser solutions.

Since the late 1990s, Consat Engineering has collaborated with a global hygiene company on projects ranging from high-speed vision systems for diaper lines to cost-optimised paper dispensers – solutions that have improved quality, increased reliability and reduced production costs in high-volume manufacturing.

Challenge

A global hygiene company needed to ensure reliable quality control at high speed while reducing production costs for its dispenser products – without compromising functionality or durability.

Solution

Consat developed vision systems that identify and remove defective products in real time, along with a new dispenser platform featuring fewer components and faster assembly.

With technical breadth and a practical approach, Consat has developed solutions that have streamlined the company's production. Projects have included high speed vision systems and dispenser platforms with fewer components and shorter assembly times. The result is a long-term partnership where innovation and reliability go hand in hand.

A pragmatic partner

The partnership is based on practical engineering and close collaboration – both on site in factories and in multidisciplinary projects. Consat has developed and implemented vision systems that monitor multiple quality parameters in real time, as well as a new dispenser platform with fewer components, simplified assembly and integrated electronics.

By combining mechanics, software and production expertise, the customer has gained a reliable partner who solves challenges directly – from development to implementation.

The challenge

The company manufactures hygiene products at very high volumes and speeds, placing extreme demands on both precision and operational reliability. For the vision systems, the main challenge was to identify defects in real time within a continuous 24/7 process.

In the dispenser project, the challenge was to reduce manufacturing costs without compromising on function or durability – where every penny saved is multiplied across hundreds of thousands of units.

The solution

Consat Engineering developed vision systems that automatically detect and reject defective products at full production speed, along with a new dispenser platform in which the number of components was reduced, screws were replaced with snap-fit features, and assembly time was shortened. In addition, Consat provided on-site technical support, including review and production start-up of injection moulding tools.



Key outcomes

- Real-time quality control in high-volume production
- Reduced costs and simplified assembly
- Improved serviceability and product longevity
- Long-term partnership with engineers on site

Summary

- A global hygiene company needed to improve quality and cost efficiency in production.
- Consat developed vision systems and new dispenser solutions.
- The result: greater precision, lower costs and enhanced sustainability.
- The partnership continues, focusing on tooling, production and further technical improvements.

The result

The partnership has led to higher quality, improved production stability and reduced manufacturing costs. The customer now benefits from a team with both breadth and depth – covering vision, automation, electronics and production.

“We’ve had engineers on site, rebuilt machines, developed vision systems and been involved all the way – from idea to production. That’s what makes the collaboration so rewarding.”

Lars Olsson, Manager Engineering Services at Consat

Value-driven innovations

The collaboration between highlights the value of combining deep technical expertise with pragmatic problem-solving. From diaper production lines to smart dispenser systems, the solutions have been built for usability, scalability and long life. A partnership that continues to evolve, with innovation at the core.

Contact us

Would you like to learn more about how we can support your operations with product development, vision or automation solutions? Contact us, we’d be happy to tell you more or arrange a meeting.