

Root cause analysis made easy

How RUBY Go transformed TPBI's production efficiency and internal communication



TPBI - leader in flexible packaging

TPBI Public Company Limited, a leading producer of flexible packaging and films in Thailand, has been in partnership with W&H since 2005, starting with the installation of their first blown film line, followed by two more in 2008 and 2017. In 2021, TPBI integrated RUBY Go into their production, connecting it to three VAREX machines. With ongoing support from the Technical Sales and RUBY team, TPBI has maximized the benefits of RUBY Go over the past three years, enhancing production efficiency and improving communication across departments.

Enhancing data automation and gain more insights

With RUBY, TPBI wanted to improve data automation

” RUBY Go allows us to perform faster root cause analysis, reducing downtime from 10% to 0.5%. This has been key in keeping our operations running smoothly and efficiently.

Mr. Surasit Dechvilai, Engineering Manager,
TPBI Public Company Limited

and gain deeper insight into its production processes. Prior to RUBY, the company struggled with a fragmented data flow, but now production is not only automated, but optimized. The platform is widely adopted



Performance

Save time and resources on root cause analysis with real-time data



Format

Introduction of RUBY Go and its integration into internal processes



Next Steps

Connect RUBY Go with SAP for enhanced data utilization, relying on W&H's support

across all departments, serving as a vital tool for monitoring and internal communication between production, engineering, R&D, and quality management teams.

RUBY Go provides real-time access to machine parameters and production data, including detailed overviews, process data, trends, and alarm logs, which are regularly displayed on large screens during production and management meetings. This visibility has significantly improved transparency and traceability, enabling better decision-making and more efficient operations throughout the organization. TPBI is satisfied with both the performance of RUBY and the exceptional customer service, which have amplified the platform's benefits. RUBY has become integral to TPBI's daily operations, playing a key role in their continued success.

RUBY Go simplifies problem solving and saves time

TPBI was facing a recurring issue where the running film web would oscillate briefly and miss a cut by the slitting knife, resulting in a quality issue. The problem occurred randomly, requiring engineers to spend long hours—often 4 to 8—observing the machine in hopes of catching the issue in action. This not only consumed valuable time but also left the root cause undiagnosed for extended periods.

With RUBY Go, the process has been made much simpler. Instead of waiting for the issue to recur, the production team could immediately access machine data from RUBY's trend page when the problem occurred. By analyzing key data points such as bubble size



The TPBI team uses RUBY Go to analyze real-time production data and make informed decisions.

Customer profile



Industry

Flexible Packaging and Film producer

From flexible packaging to high-quality film solutions



Product

Recyclable films:

Lamination film, stretch hood film and barrier film



Location

Nakornpathom, Thailand

More than 200 employees
www.tpbigroup.com

changes, the team quickly identified a malfunction in one of the ultrasonic bubble sensors. Thanks to RUBY Go, the engineering team could solve the problem without the need for prolonged on-site observation, saving significant time and resources. RUBY's ability to provide real-time data and trends ensured that both production and engineering teams worked together efficiently to resolve the issue quickly.



Mr. Domdej Sripinproach, COO of TPBI, highlights the role of RUBY Go in optimizing production and improving efficiency.