



The customer is one of the largest auto brands and manufacturers in the world, with a diverse product line ranging from consumer cars and motorcycles to aircraft. Established in the 1960s, the customer has remained one of the most trusted manufacturers of motorcycles in Thailand, holding a top rank in sales volume for over 30 years.

In 2021, the company expanded further into the Asia-Pacific marketplace by adding distribution to its offerings.

THE CHALLENGE

The factory produces numerous motorcycle parts and components, using steel and aluminium die cast. Prior to completion, workers clean each product with a high-pressure spray parts washer. The operation has perfected the process of cleaning parts in less than one minute at 60°C.

However, their previous cleaning solution created white rust that required additional treatment. The cleaning product lasted just seven days in the sump, leading to increased consumption and fluid costs.

THE RESULTS

With their previous solution, the customer encountered white rust roughly 30 percent of the time. Master STAGES™ CLEAN 2115AL reduced staining by two-thirds, down to just **10 percent**.

CLEAN 2115AL's superior formulation lasts longer than the previous solution, increasing cleaner bath life to **15 days** — more than double. As a result of the improved performance and bath sump life, the customer has cut fluid consumption and reduced cleaning supply costs by **50 percent**.

THE SOLUTION

The customer upgraded their spray washers to Master STAGES™ CLEAN 2115AL, a low-foam synthetic washing compound prized for its ability to wash and deburr even with the toughest soils. It is compatible with various metals, including aluminium and steel. CLEAN 2115AL also provides short-term corrosion protection without the need for additional treatments.

THE NUMBERS

- Reduced white rust formation to **10%**
- Increased cleaner bath life by **114%**, from 7 to 15 days
- Cut cleaning solution consumption and costs by **50%**