

**INDUSTRY**

AUTOMOTIVE

**APPLICATION**

PAINTING LINES

**PRODUCT**MEGAPAINTE SLV3 AND  
GLD2

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to find out more

# CASE STUDY

## REVOLUTIONIZING AUTOMOTIVE PAINT SHOPS WITH MEGAPAINTE BELTS

**SITUATION/APPLICATION**

A major automotive OEM was in the process of redesigning their paint shop line. They were seeking a way to improve production efficiency, lower energy consumption, and ensure high-quality paint finishes with minimal contamination. Space optimization was also a priority, as they needed a more compact transmission system without compromising performance.

**THE PROBLEM**

The competitor's solution, using a low-performance belt, led to higher energy consumption and required more space. Additionally, the previous transmission system failed to meet paint shop standards, causing surface contamination, defective paint jobs, and costly rework. A more efficient, reliable, and contaminant-free solution was needed.

### MEGADYNE SOLUTION:

## MEGAPAINTE SLV3 AND GLD2

The **Megapaint SLV3 and GLD2** belts were chosen to address these issues, thanks to several technical advantages:

- Silicone-free and contaminant-free composition, ensuring flawless paint surfaces.
- Compact and lightweight design, which allowed the company to reduce the size of the transmission system while maintaining power transmission efficiency.
- No maintenance requirement due to the belts' resistance to ozone and lubricating oils.
- Wide temperature resistance providing reliable operation under extreme conditions (working temperature: -25°C to +100°C; up to 120°C for peak).

These features made Megapaint belts ideal for high-demand applications like automotive paint shops, where precision and surface quality are paramount.

**THE RESULT**

By implementing the Megapaint belts, the OEM achieved a 30% reduction in energy consumption due to the belts' lower mass, which reduced system inertia and operational costs. Additionally, the reduced maintenance needs improved system uptime by 20%, resulting in higher overall productivity.

The contaminant-free operation led to superior paint finishes, drastically reducing the need for rework and enhancing product quality.

The new system proved to be a significant step forward in optimizing the efficiency, sustainability, and quality of their paint shop operations.