



CASE STUDY

PRODUCT

SPEEDKNIT™ S2EC33

Workers in three of Daikin North America’s manufacturing plants were contending with low-quality, poorly-fitting work gloves that lacked dexterity. Read on to find out how Mechanix Wear’s SpeedKnit™ S2EC33 glove solved the problem, and helped the company save money.



PART #	S2EC-33				
SIZE	S-007	M-008	L-009	XL-010	2XL-012

THE PROBLEM

Daikin identified a need for a better glove solution for its workers at three of its plants. The intricate and detailed work the plant workers engage in, demands a glove with great dexterity and fit. Workers also confront cut hazards on the job, so their gloves need to be rated for cut resistance. The gloves they were using were lightweight and cut-resistant, but were ill-fitting, lacked the dexterity needed for the job, and needed to be replaced too often. Daikin reached out to Fastenal for a better quality glove option.

RESULTS



57%
LONGER WEAR



30%
HIGHER RATING FROM WORKERS



\$65K
SAVINGS OPPORTUNITY

CUSTOMER

Daikin North America

“Daikin is the global leader in air conditioning, with HVAC&R, fluorochemical, and filtration.”

- \$6B — Annual Revenue
- 100K — Dealers / Contractors
- 24 — Production Bases
- 19K — Employees

APPLICATION

Machining and Assembly

INDUSTRY

Manufacturing

CUSTOMER CONSIDERATIONS

- What do I have to pay now vs. what am I going to pay
- Workers compensation costs for an injury
- Will new gloves increase productivity



SOLUTION

Mechanix Wear worked with Matt Fitting, a Safety Sales Specialist at Fastenal, to understand the user requirements, current constraints and primary objectives. Matt knew about the applications of the gloves, and could ask the team at Daikin the right questions to find out the exact pain points on the current glove. Glove trials were to take place at three of Daikin's manufacturing plants; two in Minnesota and one in Virginia. Samples were selected based on the application at hand, environmental conditions and worker behavior and preference. Also, the team's requirements for cut, heat, abrasion, impact and puncture are always fully assessed to ensure every element of worker safety is considered.

The option selected for the wear trial was the Mechanix Wear SpeedKnit™ S2EC33 glove. The SpeedKnit™ S2EC33 is an 18-gauge, machine-knit glove made from a blend of HPPE and Tungsten steel, which makes for a high-quality, cut-resistant glove with great dexterity. The working side features environmentally friendly touchscreen capable water-based urethane coating to maintain grip in dry or wet conditions. Most importantly, the gloves' performance against cut hazards meets ANSI A5 for cut-resistant gloves, an entire class higher than the current glove used with an ANSI Cut Level A4 rating.

USER FEEDBACK

Daikin plant workers responded well immediately to the new gloves, rating them 30% higher in the areas of comfort, fit, grip, feel and dexterity, and protection, than the previous gloves they were using. Another benefit of the SpeedKnit S2EC33 glove is their touchscreen capability. Workers don't need to remove their gloves to use a touchscreen, which allows them to stay connected, yet safe and compliant. Switching to a higher quality glove will also result in cost savings for Daikin, since the gloves last longer and can be replaced less frequently.

SUMMARY

Gloves for workers at three Daikin North America manufacturing plants

- 57% longer wear
- 30% higher rating on gloves from workers in areas of comfort, fit, grip, feel and dexterity, and protection
- \$65K savings opportunity

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