



COMMERCIAL CASE STUDY

PRODUCT

SPEEDKNIT™ M-PACT® FR S85CJ06

Workers at Grede Foundry were facing multiple hazards and injuries during their work shifts, such as high heat, pinch injuries, cuts, lacerations, and bruised and broken knuckles. The general-purpose latex coated gloves that they were using were not providing adequate protection due to their lack of cut and back-of-hand protection and dexterity.

This case study will explore how the SpeedKnit™ FR ARC Rated M-PACT® glove solved Grede Foundry's need for multi-hazard hand protection for their workers.



PART #	S85CJ-06				
SIZE	S-007	M-008	L-009	XL-010	2XL-011

THE PROBLEM

During a typical shift at Grede Foundry, workers handle hot iron castings coming down a conveyor belt and proceed to clean the sharp edges with an air grinder. Temperatures of these castings range from 300-400°F and weigh anywhere from 5 to 15 pounds. Workers are not only at risk of burn injuries but also pinch injuries from grabbing a casting from a pile, cuts and lacerations from the casting's sharp edges, as well as bruised and broken knuckles. The general-purpose latex coated gloves they were using lacked the necessary back-of-hand and cut protection, as well as dexterity.

RESULTS



HIGHER RATING FROM WORKERS



MULTI-HAZARD HAND PROTECTION



REDUCTION IN WORKER HAND INJURIES

CUSTOMER

GREDE FOUNDRY

"As the industry's premier ductile, gray and specialty iron casting provider, we proudly design, engineer, validate and manufacture safety-critical components for our partners across automotive, industrial, and commercial trucking markets."

\$820MM	ANNUAL REVENUE
42MM+	NUMBER OF PIECES MANUFACTURED IN 2022
3,800	EMPLOYEES
10	FACILITIES ACROSS U.S.

APPLICATION

IRON CASTING

INDUSTRY

METALS + MINING

CUSTOMER CONSIDERATIONS

- Will the new gloves provide the back of hand and cut protection needed?
- Will they protect from burn injuries?
- Will the new gloves have the necessary grip and dexterity for application?



SOLUTION

Grede Foundry needed gloves with multi-hazard protection for their workers. The SpeedKnit™ Arc-Rated FR M-PACT® glove was the solution. Mechanix Wear, along with a distributor partner, implemented a comprehensive end-user trial (the TRACK Program) and shared samples with safety managers at two Grede facilities and at their corporate headquarters.

The SpeedKnit™ Arc-Rated FR M-PACT® was developed with the goal of integrating improved cut, TPR back-of-hand-protection, terrific grip and dexterity into an FR (Flame-resistant) knit glove. It boasts ANSI scores of A5 and Level 3 for cut and abrasion, meets EN 388 and EN 407 testing standards for cut, mechanical and thermal hazards, is arc rated at 12 cal/cm² PPE 2 and has an ANSI/ISEA 138 Level 2 rating for impact protection.



USER FEEDBACK

Grede Foundry has received extremely positive feedback from its workers regarding the new SpeedKnit™ Arc-Rated FR M-PACT® gloves. They ultimately provided the necessary multi-hazard protection for Grede Foundry's workers, and they were praised for their durability, protection, and dexterity. The workers felt more secure and confident in their work, knowing that they had the proper protection to keep them safe from hazards such as high heat, pinch injuries, cuts, lacerations, and bruised and broken knuckles. As a result, Grede Foundry is looking to spec the SpeedKnit™ Arc-Rated FR M-PACT® glove for all of its locations to provide the same level of protection and safety for all of its workers.

SUMMARY

Gloves for workers at Grede Foundry

- Received positive safety manager feedback
- Flame-resistant (FR) and arc-resistant (AR) with PPE Level 2 protection (12 cal/cm²)
- Compliant with ANSI, EN388, EN407, and ANSI/ISEA 138 standards



ARE YOU ON THE RIGHT TRACK?

JOIN AN ELITE GROUP OF COMPANIES WHO HAVE SWITCHED TO THE TRACK PROGRAM, TO TAKE CONTROL OF YOUR SAFETY AND COSTS.

- ✓ PRODUCT SAMPLES FOR TRIALS
- ✓ EXPERT JOB SITE ASSESSMENT
- ✓ DETAILED REPORT WITH PPE RECOMMENDATIONS

SIGN UP NOW!