



## CASE STUDY

# THE SCIENCE OF MORE UPTIME



## KEY TAKEAWAYS

Masonite + **BIOKINETIX**®

**CLIENT NAME:** Masonite

**INDUSTRY:** Manufacturing,  
Interior & Exterior Doors

**CASE STUDY LOCATIONS:**

Mason City, Iowa and  
Lawrenceville, Georgia

**EMPLOYEES:** 10,000+

**NOTABLE FACT:** Acquired by  
Owens-Corning in 2024

Masonite was experiencing higher than acceptable OSHA recordables at two facilities, often involving musculoskeletal (MSK) injuries that were both preventable and being over-treated by an external occupational health clinic.

Our team at BIODINETIX implemented a multi-year, multi-site on-site injury prevention program at two Masonite locations to assist the company in decreasing incident levels while improving employee well-being.



### Drastic Reduction in OSHA Recordables

At Masonite's Lawrenceville location, recordables dropped from 13 in 2020 to just one in 2024, and at the Mason City location, from 13 in 2022 to two in 2023, a 92% decrease across both locations.



### Lower Total Incident Rate

At Masonite's Lawrenceville location, the total incident rate fell from 7.06 in 2020 to 0.41 in 2024, and the Mason City location dropped from 6.42 in 2022 to 1.22 in 2023, an 83% reduction in workplace incidents across both locations.



### Elimination of Lost Workdays

Lost workdays at the Lawrenceville location plummeted from 412 in 2020 to zero in 2024, and in Mason City from 40 in 2022 to just two in 2023, highlighting the impact of on-site injury prevention.



## CASE STUDY

# Masonite + **BIOKINETIX**<sup>®</sup>

Masonite, a global leader in interior and exterior door systems, faced an operational challenge: minor workplace incidents that would typically fall under OSHA's definition of treatable by first aid interventions were turning into OSHA recordables due to off-site clinic over treatment. Our BIOKINETIX team stepped in, embedding on-site medical professionals who implemented new-hire education and a proactive injury prevention program to reduce unnecessary recordables and better support employees. These professionals were also able to provide on-site triage of injuries, providing more knowledgeable care while also reducing reliance on external health clinics.

## THE CHALLENGE

Masonite was seeing a high number of OSHA recordables, many of which stemmed from minor incidents or musculoskeletal disorders, including incidents of soreness or fatigue experienced by new employees adjusting to physically demanding roles. Their standard process involved sending team members to a local occupational health clinic for evaluation, but nearly every visit resulted in treatment that pushed the case beyond basic first aid resulting in a high number of OSHA recordables.

Masonite needed a better way to care for its employees while ensuring accurate reporting. That's where our team's expertise in proactive injury prevention, ergonomics and appropriate medical response became invaluable.



## THE BIOKINETIX APPROACH

### On-Site Risk Analysis and At-Risk Behavior Interventions

We deployed licensed medical professionals to Masonite's facilities to observe, understand, and assess physical job requirements, identifying risk points for potential injury.

#### BIOKINETIX'S INJURY PREVENTION PROGRAM

- + **NEW-HIRE TRAINING** to educate employees on ergonomics and injury prevention
- + **MICRO-LEARNINGS** for ongoing education on injury prevention
- + **IMPLEMENTING WARM-UP ROUTINES** to help prepare employees for physically demanding work

Our on-site professionals provided immediate response and triage using OSHA first-aid standards. Because the BIOKINETIX team were familiar with the physical demands of each role and had earned the trust of the Masonite team members, they could combine their medical expertise with a clear understanding of the job to more accurately assess injuries—determining the difference between a reportable injury or the body's natural soreness response to unaccustomed physical work.

## THE SCIENCE OF MORE **UPTIME**

Our approach is centered around 3E, a 3-step process combining engineering, ergonomics, and exercise.



## CASE STUDY

### THE IMPACT

By embedding team members to provide on-site triage and proactive care, we at BIODINETIX were able to accelerate injury response and improve overall employee well-being at Masonite, while also reducing lost workdays and injury costs. Within the first year, Masonite's Lawrenceville facility saw a dramatic shift. These reductions of injuries and lost workdays were sustained over a four-year period. Overall, OSHA recordables dropped significantly and lost workdays plummeted from 412 in 2020 to zero in 2024, even with the addition of a second shift starting in 2021. Over this time, our medical professionals engaged with Masonite team members nearly 42,000 times, from quick check-ins and ergonomic assessments to hands-on first aid interventions, fostering a culture of safety and wellness. Through targeted training, employees gained confidence in injury prevention, while new hires were educated on how to safely adapt to the physical demands of their roles.

#### LAWRENCEVILLE

- 2020:** Before BIODINETIX
  - 13 recordables (8 musculoskeletal disorders)
  - 7.06 total incident rate
  - 412 lost workdays
- 2021:** Doubled hours of operation (added 2nd shift)
  - 8 recordables (4 musculoskeletal disorders)
  - 3.16 total incident rate
  - 219 lost workdays
- 2022:**
  - 5 recordables (2 musculoskeletal disorders)
  - 1.89 total incident rate
  - 88 lost workdays
- 2023:**
  - 2 recordables (1 musculoskeletal disorders)
  - 0.83 total incident rate
  - 0 lost workdays
- 2024:** End of Project
  - 1 recordable (0 musculoskeletal disorders)
  - 0.41 total incident rate
  - 0 lost workdays

#### MASON CITY

- 2021:** Before BIODINETIX
  - 13 recordables (7 are musculoskeletal disorders)
  - 6.42 total incident rate
  - 40 lost workdays
- 2023:** With BIODINETIX
  - 2 recordables (none are musculoskeletal disorders)
  - 1.22 total incident rate
  - 2 lost workdays



**Almost 42,000 INTERACTIONS**  
between BIODINETIX medical  
professionals and Masonite team  
members over four years.

### WHY IT MATTERS

This partnership exemplifies how early intervention, on-site care, and education can dramatically reduce injuries and unjustified OSHA recordables—creating safer, more productive workplaces for manufacturers and greater well-being for team members both on and off the job. This is the essence of our dedication to the Science of More UpTime.

### THE SCIENCE OF MORE **U**PTIME

Interested in more information on how to implement an injury-prevention program and/or provide high-quality injury triage at your facility?



Contact us at [info@biokinetix.com](mailto:info@biokinetix.com) or 773-227-4447.