

# MIRON LASER ALIGNMENT

A higher degree of accuracy and precision for your installation.



# COMPREHENSIVE SERVICES

Miron Construction Co., Inc. provides construction solutions from beginning to end by completing building and equipment installations. Founded nearly 100 years ago, Miron is one of the nation's premier construction firms with more than 1,400 highly skilled tradespeople with extensive expertise in the Pulp & Paper, Energy & Infrastructure, Food & Beverage, and General Industrial markets. We are a full-service construction firm providing comprehensive services, including:

## General Contractor

## Construction Manager

## Design-Build Services

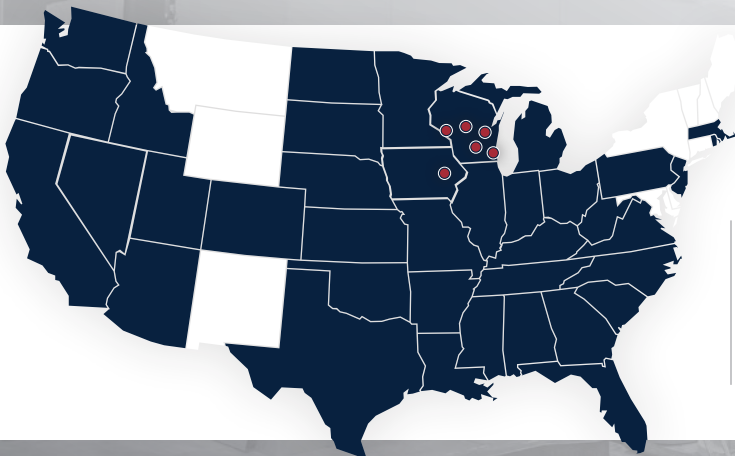
## Ironworker and Carpenter Services

## Millwright Services

- » Complete Machine Installation
- » Laser Alignment & Precision Layout
- » Turnarounds
- » Outages
- » Preventative Maintenance

## Project Execution

- » Project Coordination/Management
- » Planning
- » Conceptual Estimating
- » Bid Management & Analysis
- » Critical Path Scheduling
- » Constructibility Reviews
- » Safety
- » Quality
- » Risk Management
- » Building Information Modeling (BIM)
- » Virtual Process Integration (VPI)
- » LEED/Sustainability



### Miron Office Locations

Neenah, WI  
Milwaukee, WI  
Madison, WI  
Wausau, WI  
Eau Claire, WI  
Cedar Rapids, IA

### Project Experience

## LASER ALIGNMENT

Miron offers tremendous experience in machinery installation, alignment, turnarounds, outages, and preventative maintenance. Whether the project is a small one-unit installation or a complete production line, our ability to plan, handle, troubleshoot, and install this machinery is backed by a long line of knowledgeable and skilled craftspeople.

Our millwrights and alignment specialists use the latest laser equipment and techniques to ensure your machines are laid out, aligned, and operating at peak efficiency. Miron typically utilizes laser tracker and arm equipment in our installation and alignment work. This 3D laser technology allows our teams to more accurately and efficiently install machines and fine-tune alignment, resulting in less downtime, enhanced machine runability, higher quality installs, and faster start-ups.

The laser equipment measures 3D coordinates by tracking a laser beam to a retroreflective target with the object of interest. This technology offers the following:

### Efficiency & Quality Advantages

- » Increases the speed of data collection and analysis
- » Offers real-time measurement
- » Confirms tolerances and validates design
- » Offers easier and higher quality measurement of components with limited access
- » Improves accuracy, preventing damage during start-up
- » Enhances alignment, reducing wear on mechanical parts
- » Improves machine efficiency
- » Reduces the labor and time required for installation

### At a Glance

- » Accuracy: 0.0005"
- » Precision Layout
- » Design Verification
- » 3D Model Integration
- » Tighter Tolerances with Reduced Wear
- » Smoother Start-Ups



MIRON LASER ALIGNMENT WITH ARM

"Miron's use of laser alignment techniques and virtual process integration (VPI) was truly impressive. They provided us with pre-construction expertise, as well as a skilled team to manage the equipment alignment and layout on our equipment installation project."

**John Ambrosius**

Plant Engineer & Maintenance Manager  
Belmark Inc.



## BUILT ON INTEGRITY

At the heart of our success is our entire Industrial team that possesses unparalleled experience and technical expertise to assist with your next project. Built on honesty and integrity, Miron has a long history of developing long-term relationships with our clients. We continue to raise the bar with innovation and best practices to provide unique solutions for our customers. No matter the size of the project, let our team prove our commitment to delivering your vision and exceeding all expectations.

Our *commitment* reaches beyond construction;  
our *passion* brings *dreams* to life.

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