

A welder wearing a dark protective mask and gloves is working on a large metal pipe in a factory setting. The welder is holding a welding torch and a rod, with a bright light emanating from the point of contact. The background is a blurred industrial environment with green and blue lighting. The text 'WELDING POSITIONERS' is overlaid on the left side of the image.

# WELDING POSITIONERS

**nexAir**  
AUTOMATION

# What is a Welding Positioner

## AN OVERVIEW

Large weldments and fixtures that weigh thousands of pounds increase the danger and difficulty of the task at hand and can waste time and energy. Welding positioners help you make better parts faster. Weld flawlessly and manipulate pieces as large as **125,000 pounds** for safer access and improved results in less time.

Too often, manufacturers rely on unsafe practices to weld large or unwieldy pieces—strapping pieces that weigh thousands of pounds to forklifts or cranes. Welders often have to work in awkward or dangerous positions to get just the right angle to achieve the best outcomes.

Pair this information with the fact that the welder shortage will exceed 314,000 by 2024 and it's clear that many shops and manufacturers need better tools for faster, safer, more efficient welding practices.

Welding positioners solve many of these issues. Large, heavy, or awkward weldments are bolted securely to the positioner, which controls the rotation of the parts.



### Our welding positioners provide:

- 360 degrees of rotation
- Better access to difficult angles
- Synchronization to stay level

All of this adds up to give users a more secure center of gravity for better control, and less risk of occupational injury.

nexAir is proud to offer industry-leading welding positioners that can expertly handle as much as **125,000 pounds**, engineered by pioneers in the field for peak performance and lasting use.

# How can welding positioners benefit your operation?

Welding positioners can help you increase productivity, profits, safety and ergonomics.

## Return on Investment

Welding positioners deliver higher efficiency, improved productivity and reduction in safety issues. That's because the nexAir team has pinpointed the inefficiencies associated with welding, assembly, and labor, and can help your team select from a range of products that streamline manufacturing and assembly processes.

Welding positioners can boost your production throughput by as much as

# 30-40%+

and most customers see a return on investment in less than 12 months.

## HERE'S HOW



### MAXIMUM ARC TIME

Gone are the days of waiting for cranes to move a part. Welding positioners allow operators to safely speed up the handling portion of rotating a part and orient that part for the best access. This saves labor hours and increases the welder's arc time.



### OPTIMAL ORIENTATION

You'll be amazed at the improvement in production rates when parts are correctly positioned for welding or assembly. Welding Positioners that allow your employees to access parts in an optimal position empower him or her to work more confidently, safely and efficiently.



### LESS TIME WASTED

Using pre-taught one-touch automated positioning, welding positioners dramatically increase productivity and reduce wasted time.



### QUICKER TRAINING

By using our positioners, inexperienced or new employees are able to learn their job processes quicker. More efficient employees result in significant improvement without additional costs—all while being safer.

# Employee Retention



## SAFETY

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**The days of dangerous rigging with cranes, slings and fork trucks are gone, and your operation just got a whole lot safer.**

**Welding positioners can make your operation safer.**

Hooking large, heavy parts and fixtures to chains, forklifts and cranes can be dangerous for all employees. Straps and chains can slip and break and can lead to parts falling or swinging uncontrollably.

Positioners eliminate those hazards by securely elevating and rotating parts to an optimal working position. Positioners also eliminate the need for welders or assemblers to use ladders, scaffolding or other equipment to climb on a part or lie under it.

### Safety and Confidence Built-In

Welders and operators feel safer knowing that they are working with equipment that is specifically designed to lift, rotate and hold their parts securely.

### Simple Operation

Welding positioners feature a simple user interface that makes it easy for operators to confidently use the positioners.



## ERGONOMICS

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**Improved ergonomics and accessibility mean your employees are less fatigued and more focused on perfecting your quality and service.**

No longer will employees need to crawl under and over the part, by using ladders and scaffolding, kneeling and lying on the floor. This is exhausting to team members and will minimize the risk of injury as well as reduce fatigue and offer safer operations. When you give employees the ability to elevate and rotate the part with the help of a positioner, they can work in the position most comfortable to them.

### We'll Work With Your Team

Many companies now have ergonomic departments that look for ways to improve working environments. nexAir will work with your team to manufacture a positioner to your specific needs and ergonomic requirements. This helps protect your employees from injuries and also allows work cells to be easily modified for different employees. We will also host a demo day, to teach your team the ins and outs of this welding technology and help them make the most out of these tools.

### Attracting And Retaining Your Workforce

It is a known fact, skilled employees are in short supply these days. The ergonomic improvements that positioners offer to your workforce can play a big role in attracting and retaining good employees. Instead of having to climb up and down a ladder, weld overhead or assemble on the ground, your employees can work comfortably and feel better at the end of the day. Utilizing a positioner increases employee longevity.

# Industries That Can Benefit From Welding Positioners

Customers in a wide range of industries can benefit from welding positioners.

The reason? We combine advanced welding positioner technology with nexAir KnowHow to help any industry make the most out of this automation tool.



- **Construction equipment: agriculture & forestry**
- **Mining**
- **Aerospace**
- **Trailer (semi & recreational)**
- **Train**
- **Subway**
- **Military Defense**
- **Recreational Vehicles (RV)**
- **Boat Industry**
- **Power Generation**
- **Bus**
- **Lift Truck**
- **Robotics**
- **And More!**

## IS A WELDING POSITIONER RIGHT FOR YOU?

At nexAir, our goal isn't to sell you unnecessary instruments and maintenance services. We've built our company around a single mission: Providing you with pragmatic solutions to improve your processes from start to finish.

We'll carefully review your processes using our KnowHow™ Productivity Improvement Program and then leverage our years of experience to pick the best solutions to support your operations.

Our welding positioners may be ideal for you if:

**Your team is feeling the pinch of the welder shortage**

**You want to nurture a safer work environment**

**You want to retain talented team members with better processes**

**You handle large pieces that require careful, precise manipulation**

We'll help you decide. And if our products aren't the right fit? We won't recommend products you don't need.

The nexAir team values truth, integrity, and honesty and our job is to serve you. This means helping you make the most of the solutions you need—and helping you discern which ones you don't.

# What are the details and specs?

## TYPES OF WELDING POSITIONERS:



### Headstock & Tailstock

#### Power Meets Function

Designed for assembly, material handling and welding applications, Headstock & Tailstock elevating and tilt positioners from are available with variations to the head and tailstock columns, such as fixed-fixed, fixed-adjustable, fixed-mobile, and fully portable positioner style options.

**LOADING CAPACITY** | 4,000 - 125,000 LBS.

### 3-Axis Skyhook & Drop Center

#### Productivity and Flexibility Combined

For assembly, material handling and welding applications, elevating 3-Axis Skyhook & Drop Center Positioners are capable of 3 axes of motion, creating an efficient and cost-effective workplace.

With a relatively small footprint, the skyhook positioner is ideally suited for material handling abilities in confined spaces. Drop Center Positioners offer 3 axes of positioning in weight capacities 12,000 lbs. and higher. Rated load capacities are based on the center of gravity (CG) locations of the part/tool.



**LOADING CAPACITY** | 3,500 - 10,000+ LBS.



### Headstock Only/Single Column

Loading capacity: 1,000 - 25,000 lbs.

#### Positioned for Success

For assembly, material handling and welding applications, headstock only/single column positioners have a relatively small footprint, making material handling applications in confined spaces efficient and productive.

**LOADING CAPACITY** | 1,000 - 25,000 LBS.