

New STEVENS Engineers & Constructors Blog Discusses the Important Role a Millwright Plays in Proper Equipment Installation

March 24, 2023

Middleburg Heights, Ohio - March 24, 2023 -
STEVENS Engineers & Constructors is a Middleburg Heights, OH-based company that has industrial engineering and construction roots going back 75 years. The company is very knowledgeable regarding its specialties, including industrial construction,and renewable energy construction, site work and excavation, pre-engineered metal building construction, and pipe fabricating and installation. Vicki Anderson, CEO of STEVENS Engineers & Constructors, also mentioned, "Businesses should not overlook our company's high quality and popular millwright specialties."

This task is essential when it comes to properly installing machinery in mills, factories, power plants, construction sites, and more. It's such an important job to get right; the company even created an article titled 'What Are the Steps for Equipment Installation?'.

This new STEVENS Engineers & Constructors post starts by saying that the company knows how

important proper equipment installation is to performance and efficiency in industrial settings and at businesses that rely on precision equipment. Their millwrights' goal is to install machinery in a manner where it works correctly and operates safely. This newly posted article also stated that the company details everything from site evaluation and planning to heavy equipment assembly and commissioning to ensure a smooth and successful equipment installation process.

The article then described millwrights as tradespersons that are highly skilled in installing, dismantling, repairing, reassembling, moving, and maintaining industrial equipment. Millwrights are typically used during production outages or scheduled shutdowns, but sometimes, they can also be done on an emergency basis if machinery repairs are needed.

According to this article, millwrights need to be proficient in the use of overhead cranes, pulleys, rollers, and trucks to move pieces of heavy machinery or entire units. Among the pieces of equipment that millwrights are often called upon to assemble, repair, and maintain are industrial-sized rotors, turbines, motors, bearings, gears, and processing equipment such as extruders and steel mill furnaces.

The article went on to clarify the steps that the company takes to do proper machinery and industrial equipment installation. A process that always starts with careful planning and preparation. This first stage of equipment installation includes site evaluation, assessment of equipment needs, and obtaining the necessary permits and approvals.

This is followed up by ordering or manufacturing the necessary equipment and then unloading it upon arrival. Millwrights handle this phase to make sure that the equipment is not damaged during this process. Once the equipment has been offloaded and moved, it is then assembled.

The article also stated that no equipment assembly phase is ever considered complete until the equipment has been tested. Any issues will also be identified and resolved during the machinery testing phase. Millwrights will ensure that newly installed equipment's electrical, mechanical, and pneumatic systems function properly and the equipment is aligned and calibrated. The newly posted article ended by proclaiming that once all these steps have taken place, then the equipment is commissioned for use.

Anderson added, "STEVENS millwrights provide comprehensive services to our clients in various industries like manufacturing, steel mills, construction, and more. Our clients choose us because they have come to rely on the experience, commitment, and quality of work that our millwrights bring to the equipment setting and installation process. We make sure that our millwrights possess the knowledge, skills, and expertise to ensure that equipment is installed, commissioned, and maintained correctly to minimize downtime and ensure equipment functions properly for years to come."

She says those companies that want more information on their millwright services and other job specialties that the company offers can call them or refer to the STEVENS Engineering & Constructors website.

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For more information about STEVENS Engineers & Constructors, contact the company here:STEVENS Engineers & ConstructorsVicki Anderson(440) 234-7888info@stevensec.com7850 Freeway Circle, Suite 100Middleburg Hts, OH 44130


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smooth and successful equipment installation process. From site evaluation and planning to heavy
equipment assembly and commissioning, we will detail the various stages involved in the installation process.
 Related: What To Look For In A Millwright Table Of Contents What Is A Millwright? The Steps To Equipment
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Installation When Else Do You Need A Millwright Service Company? Contact STEVENS What is A Millwright? A millwright is a skilled tradesperson specializing in installing, maintaining, and repairing industrial machinery and specialized equipment. Most millwrights work in factories, power plants, or construction sites. They have the knowledge and expertise to handle a wide range of tasks, including assembly, alignment, and calibration of most heavy equipment. One significant part of a millwright?s job is the installation of heavy machinery in plants. Millwrights also use hoisting equipment such as overhead cranes, pulleys, rollers, and trucks to move heavy machinery. They may also perform machine maintenance, installing replacement parts, machine lubricating, and recalibrating heavy machinery. This often occurs during outages or shutdowns but can also happen during an emergency shutdown when a machine breaks. Some examples of the type of equipment skilled millwrights may install include: rotors turbines motors bearings gears processing equipment, like extruders steel mill equipment like furnaces and more STEVENS employs millwrights to provide comprehensive services to our clients in various industries like manufacturing, steel mills, construction, and more. The Steps To Equipment Installation Planning and Preparation The first step to equipment installation is planning and preparation. This stage includes site evaluation, assessment of equipment needs, and obtaining necessary permits and approvals. During site evaluation, millwrights should thoroughly assess the job site to ensure it is suitable for the equipment to be installed. This includes looking at the foundation where the equipment will be placed. They also assess the client's equipment needs to ensure that the right equipment is selected and will function properly in the intended environment. After the site evaluation and assessment of equipment needs, the millwright will create a detailed installation plan outlining the steps to take during the installation process. This plan includes a schedule of when the equipment will be delivered and installed, who will be responsible for each task, and how long the installation will take. Finally, the necessary permits and approvals must be secured to ensure the installation complies with all local regulations and safety standards. By thoroughly planning and preparing for the installation process, millwrights can ensure the installation is completed safely, efficiently, and to the highest standards. Equipment Arrival and Unloading The second step is the equipment arrival and unloading. This process includes coordinating equipment delivery, unloading, and inspecting equipment for damage or defects. Millwrights will work with clients and equipment suppliers to coordinate the delivery of the equipment to the job site. This helps ensure that the equipment arrives on time. Millwrights handle the unloading process, using the proper equipment and techniques to ensure the equipment is not damaged during unloading. After the equipment is unloaded, it is thoroughly inspected for signs of damage like dents, scratches, or other issues that may have occurred during transportation. If any issues are found, the millwright will work with the supplier to resolve them before proceeding with the installation process. Equipment Assembly and Testing The next phase is the equipment assembly and testing phase. This step includes assembling equipment according to the installation plan, testing it to ensure proper function, and identifying and resolving issues that arise during testing. Our team of experienced millwrights follows the installation plan and uses the proper tools and techniques to ensure the equipment is assembled correctly and that all connections and components are secure. Once the assembly is complete, millwrights will run tests to check the equipment's performance, including electrical, mechanical, and pneumatic systems. They will also make sure the

equipment is properly aligned and calibrated. Any issues that arise during testing are identified and resolved. Equipment Installation and Commissioning The installation and commissioning step is the final phase in the equipment installation process. This phase includes physically installing equipment at the job site, commissioning equipment to ensure proper operation, and training personnel on the appropriate use and maintenance of the equipment. Millwrights handle the physical installation of equipment at the job site using proper tools and techniques to ensure that the equipment is installed correctly. They also ensure that the heavy machinery is aligned correctly and calibrated for optimal performance. After installing the equipment, the millwrights commission it to ensure it operates correctly. A series of tests are done to check for proper alignment and calibration of equipment. Finally, the personnel is trained on the proper use and maintenance of the equipment. Follow-up and Maintenance After successfully installing equipment, ensuring it continues functioning properly in the long term is essential. The follow-up and maintenance step includes the following: ongoing maintenance and support of the equipment scheduled check-ins to ensure equipment is functioning properly identification and resolution of any issues that arise in the future Completing regular check-ups, cleaning, and replacing worn or damaged parts is important to make sure your equipment runs optimally for as long as possible. When Else Do You Need A Millwright? Many people mistakenly believe millwrights are only needed during the installation or relocation of equipment. However, the capabilities of a millwright can be utilized in various situations. Some examples include: Mechanical repair Carrying out the maintenance plan. Align and test equipment and make any adjustments necessary Precision leveling and alignment Addition to equipment Machinist Relocation of the equipment Emergency shutdown events Parts replacement Emergency repair Setting up a maintenance plan As you can see, the skills and expertise of millwrights extend far beyond equipment installation and relocation, as they can handle a wide range of tasks related to mechanical repair, maintenance, alignment, and emergency events. Contact STEVENS For your equipment installation Proper equipment installation is crucial to ensure the machinery's function, safety, and longevity. STEVENS has the knowledge, skills, and expertise to ensure that equipment is installed, commissioned, and maintained correctly to minimize downtime and ensure equipment functions properly for years to come. We know that the success of your business depends on the efficient operation of your heavy machinery. Our skilled millwrights specialize in installing, maintaining, repairing, and relocating heavy machinery and industrial equipment. They are trained to handle a variety of tasks, such as assembling, aligning, and testing equipment, ensuring precision and safety in all aspects of the process. We take pride in responding to our client's needs, completing work safely, following all safety precautions, and developing ongoing maintenance plans. Contact us today for a quote, and see how our millwrights can help with your equipment installation or relocation. Check out our other articles: What Does A Millwright Do? Why You Should Hire A Millwright ",

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STEVENS Engineers & Constructors

STEVENS Engineers and Constructors provides complete industrial construction services from our office in Middleburg Heights, Oh near Cleveland. We offer high-quality design, build, and management services to industrial customers across the United States.

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