

A close-up photograph of a robotic arm performing a welding task. The arm is positioned vertically, and its nozzle is in contact with a metal plate. A bright blue light emanates from the point of contact, surrounded by a spray of sparks. The background is dark, with some mechanical components visible. The overall color palette is dominated by blue and green tones.

VECTIS
COBOT

nexAir
AUTOMATION

What is the Vectis Cobot?

The Vectis Cobot Welding Tool is a fully integrated ready-to-use welding system. This tool is revolutionizing the welding industry by taking automation to the next level. As the company pitches, the word vectis is latin for leverage. With the Vectis Cobot Welding Tool, leverage is now extended to manufacturers seeking a low-risk, low-cost and easy-to-use answer in increasing welding productivity amid the shortage of skilled welders. By automating some of the more tedious tasks, skilled welders are able to work on their skilled welding. With this tool, manufacturers are boosting productivity by reducing the learning curves, setup time, risk and cost of robotic welding. It's time to do more with less by adding a new member to your team - the Vectis Cobot.

The tool itself is safe, portable and versatile, and takes little to no learning/troubleshooting before use. It comes with all hardware provided fully integrated onto a 3ft x 6ft mobile modular fixturing cart, allowing welders to bring the cobot to the work, or the work to the cobot with no anchoring or dedicated footprint required. The robust and straightforward air-cooled torch is mounted to the robot flange along with a push button that allows you to easily enable Freedrive mode. The Vectis Cobot was designed with the lower-volume, smaller manufacturers that need quick deployment and ease-of-use in mind. The Vectis URcap developed in-house allows non-programmers to quickly and easily program welds, tacks, circles and compound paths with a simple programming interface. If efficiency is something that your company is needing, the Vectis Cobot Tool is for you!



HOW THE VECTIS COBOT CAN HELP YOU FORGE FORWARD

Boosting productivity, saving time and reducing costs are a few of the many benefits of the Vectis Cobot.

✓ Return on Investment

The Vectis Cobot tackles ROI in a different way. While the system itself does not replace manpower, it enhances it. It boosts productivity by a factor of “2X to 3X” while being a reliable, high-quality hand on the job. You will get jobs done faster and as soon as the tool hits the workspace - and you will immediately start cutting the costs of training, traveling for training and having representatives come out to you. Everything is included with this system and you will start seeing a return in very little time.

✓ Peace-Of-Mind

Vectis' Try Before You Buy rental and rent-to-own programs allow you to test out the product and get a good feel for it, at no cost to you. After purchase, if you decide that this system is not a good fit for your business, there is a safety net 30-day return program, giving you the ability to return the system for a full refund, no questions asked.

✓ Lower Costs

The Vectis Cobot Welding system is 25-40% less expensive than the all-in costs of the traditional welder. The system comes equipped with DIY install, setup, and training to save you even more time and money. You do not have to travel anywhere for training or pay a tech to come on-site - everything is ready to set up on your end once delivered.

✓ **Portability**

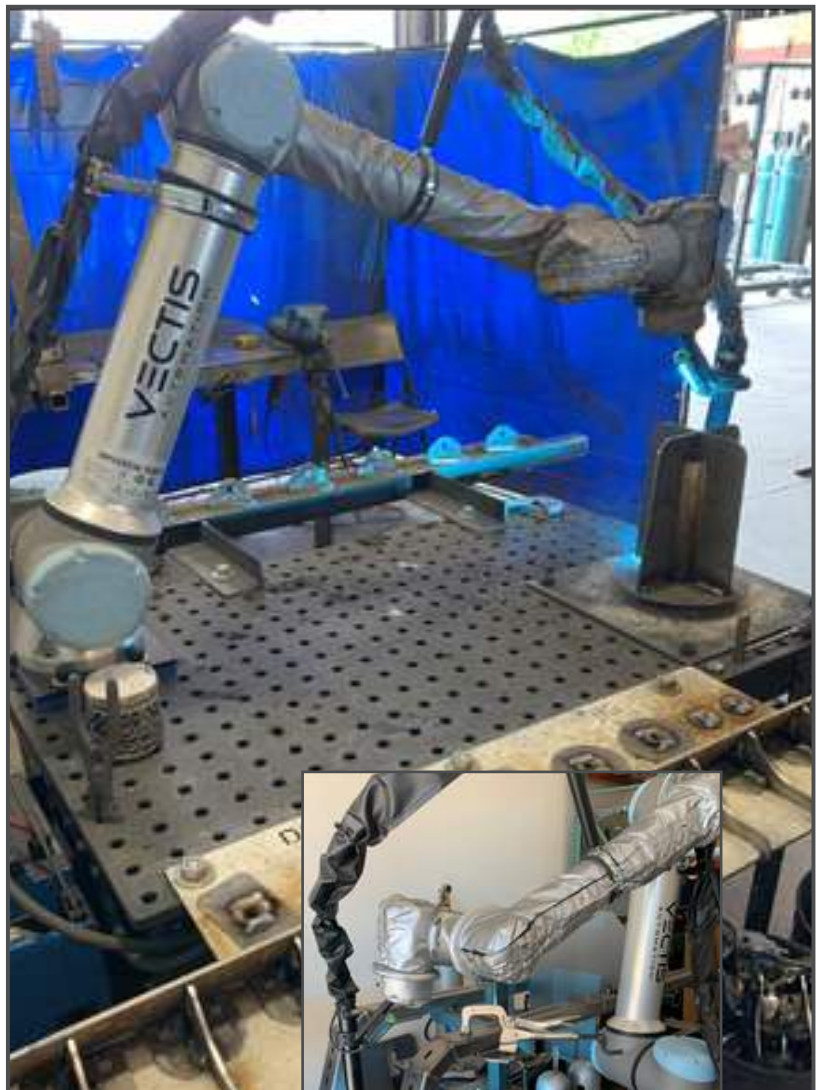
The design of the Vectis Cobot is compact – standing at only 3ft x 6ft. This allows you to bring the tool to work. No need to stay in one place, or get multiple machines for various locations – this tool can be where the work is, and adapt to any and all environments, all of the time.

✓ **Versatility**

The Cobot welder can weld parts of all shapes and sizes. So whether your piece of metal is thick or thin, the Vectis Cobot can tackle it.

✓ **Easy-To-Use and Even Easier to Learn**

Users of the Vectis Cobot are typically set up entirely by the customers within a few hours of arrival. On top of that, your team can be welding within 10 minutes of setup – no programming experience necessary. Vectis also offers an intuitive programming interface known as, Vectis' Let's Weld Together, that is accessible directly through the UR cobot's own teach pendant. This feature is a great tool that allows each user to create and save programs that can be later recalled when handling numerous part numbers typical for high mix/ low volume shops. The Cobot welder can weld thick and thin parts, and the Vectis Weaving Software allows manufacturers to set weave parameters for cleanly tied-in welds with a Weld Template Library that provides parameter starting points for common weld sizes. Easy-to-use features are continually being developed and placed in the library – always keeping you and your team up to date on the latest techniques and sharp at all times.



Here's What's Included with the Vectis Cobot Welding Tool:

- ✓ UR10e cobot with a 51-inch reach
- ✓ Programming on UR's 12-inch teach pendant
- ✓ Air-Cooled Welding Torch
- ✓ Rhino Cart by Strong Hand Tools: Comes with 66pcs of modular fixturing. Mobile work table measures 30" x 48".
- ✓ Miller 20 Series digital wire feeder
- ✓ Freedrive Jog Enable Button: Allows the programmer to teach the robot by physically moving the robot to program points.
- ✓ Miller Invision 352 MPa MIG Welder: Includes Pulsed MIG waveforms and weld parameters controlled by the cobot.
- ✓ Lifetime Technical Support
- ✓ Embedded safety: Allows the cobot to safely work alongside humans, without permanent barriers.
- ✓ A 30-day return policy and rent-to-own program
- ✓ Free application evaluations: A key part of the Vectis process is collaboratively reviewing applications to provide insight on application viability and how to achieve success in production. The company also offers suggestions on any upstream fabrication issues and/or how it could be redesigned to make it more automation friendly.
- ✓ LTL freight: Most traditional systems require a costly dedicated air-ride semi.
- ✓ Flexibility: During production gaps in the weld shop, the cobot arm can be repurposed to other tasks.



Standard-Duty Air-Cooled Welding

Heavy-Duty Water-Cooled Welding




Push-Pull for Aluminum Welding




Advanced Functionality:
Touch Sensing, Seam Tracking,
MultiPass, Fume Extracting
Pattern Tool, Stitch Tool


VECTIS leverage at the core of every Tool:



Easy-to-use Software



Peace-Of-Mind



Application Expertise

Compatible w/ all common brands



Plasma Cutting



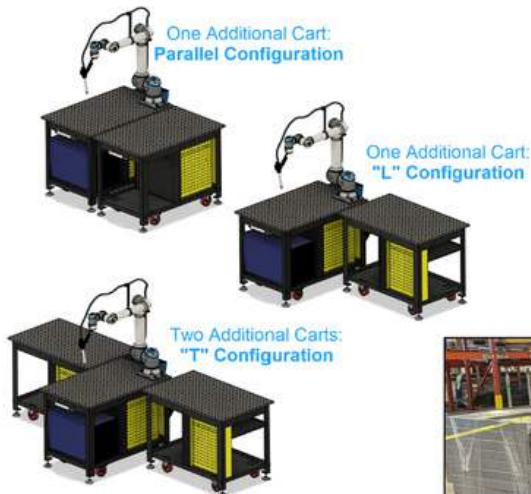
Park'N'Arc Rotational Range Extender



Remote Mounting

System Workspace Versatility

Additional Carts

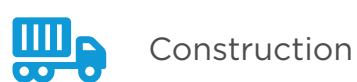
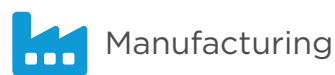


Notable Features Summarized:

- ✓ Simple DIY programming and setup. Most customers are in production on their own within hours of system arrival.
- ✓ Extreme ease-of-use powered by Vectis' URCap. No coding or programming experience necessary.
- ✓ Mobile cart and safe collaborative robot arm = portability and versatility.
- ✓ No dedicated footprint or anchoring. 3ft x 6ft footprint. No 480V or 3Ph requirement.
- ✓ Low all-in cost that includes shipping.
- ✓ Vectis' URCap and controls package allows for weld parameter control on the pendant and weaving capability.
- ✓ Great for repetitive small/medium parts that your welders hate doing (brackets, subassemblies, piece parts).
- ✓ Peace-of-mind with our 30-day return policy, rent-to-own options, and lifetime technical support.
- ✓ Get into production rapidly with our 4 week lead time and quick DIY setup.

What industries does the Vectis Cobot serve?

Many different industries can benefit greatly from welding automation and the Vectis Cobot Welding System. These include, but not limited to:



AUTOMATED WELDING CAN...

- Lower Your Costs
- Help Grow Sales
- Increase Productivity
- Increase Quality
- Improve Safety
- Increase Capacity
- Help with Labor Shortages
- Reduce Post-ops
- Reduce Lead Times
- Provide Consistency

Still debating on whether or not the Vectis Cobot system is right for you?

At nexAir, we provide our customers with not only the latest and greatest tools and equipment in the industry, but also our industry experienced KnowHow™. During all stages of your time with us, our team will be ready and available to answer questions, assist and work to improve your overall productivity and efficiency. The Vectis Cobot may be a good investment for you if:

- ✓ You want to produce high-quality, consistent welds.
- ✓ You have fewer skilled welders due to the welder shortage.
- ✓ You are craving convenience and flexibility.
- ✓ You want to be up-to-date with the latest technologies and skills.
- ✓ You are a lower-volume, smaller manufacturer in need of quick deployment.

If you still are up in the air – give it a try! As mentioned, the Vectis Cobot system gives you the opportunity to try before you buy, at no cost to you. If you have any concerns or questions, the nexAir team would be more than happy to assist. It is our top priority to have you Forge Forward in each and every project you take on – and with the Vectis Cobot, we see you doing just that, and more!