BOOST/productivity
with the affordable, versatile, and easy-to-use Vectis COBOT welding tool
"We were cutting shrinkwrap in the morning and in production by the afternoon."
— Travis Jordan, President, MT Solar

"We tripled production by leveraging the Vectis Cobot Welding Tool."
— Josh Rudkin, Owner, RCI Metalworks

"The Vectis tool is wonderful, helps me with the mundane."
"I love this thing. I finish a batch 2-4x faster with it."
— Jason and Cameron - welders using the Vectis system

"We’ll take 4 more... and another 6"
— Omar Stoltzfus, Breeo LLC, owner of 11 Vectis systems

"Vectis has changed the game!"
— Perry Kinoshita, Sr. Dir. Ops/Eng, Noffsinger Mfg

"The system couldn’t have arrived at a more perfect time. Our manpower shortage included welders so the Vectis cobot picked up the slack."
— Tim Mann, Plant Manager, Wayne Combustion
With the American Welding Society estimating a shortage of 400,000 welders by 2025...

**We know you need more leverage!**

Vectis Automation empowers you with a fully integrated, ready-to-weld Cobot Welding Tool featuring **DIY programming and setup** that gives you **leverage** to boost productivity in your weld shop.

It's weld automation for less cost, less risk, and less setup time than ever before.

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**But don’t just take our word for it. Here’s what our customers have to say:**

"How likely are you to recommend Vectis to a friend or colleague?" 9.40/10

"How would you rate Vectis during the upfront sales/application process?" 9.73/10

"How would you rate Vectis' post-sales support & responsiveness?" 9.73/10
THE VECTIS COBOT WELDING TOOL

KEY BENEFITS AND FEATURES

Peace-of-Mind:
- “Safety Net” 30-day Return Program: Return within 30 days for a full refund, no questions asked.
- “Try Before You Buy” rental and rent-to-own programs.
- Honest and upfront Application Evaluations at no cost to you.
- Lifetime Technical Support. Quick response times enabled by remote video chat (FaceTime, GoToMeeting, etc).

Lower Cost:
- Our Cobot Welding Tool is often 25-40% less than the all-in cost of a traditional robot cell.
- DIY installation, setup, and training – no need to fly to our facility nor pay a tech to come on-site.
- Shipping is included in our price. Most traditional systems require a costly dedicated air-ride semi.

Extreme Ease-Of-Use plus handy Software Features for welding:
- No programming experience needed: Make your first weld within 10 minutes after plug-in.
- Weld Template Library provides you with parameter starting points for common weld sizes.
- Handy software features include Seam Tracking, Pattern, Stitch, Tack, Touch Sensing, MultiPass.
- More features are continually being developed by Vectis’ in-house Welding Software Team.

Get into production faster:
- Our solution ships to you in a few short weeks.
- Most customers are setup and in production within hours or days of system arrival.
- DIY commissioning – no need to fly to weeklong training classes nor pay our tech on-site.
- “I made my first part program in just an hour” – Scott Yach, Cobot Champion, Ludlow Mfg.

Collaborative Robot (Cobot) Technology:
- Freedrive Jog allows the programmer to teach by physically moving the cobot to program locations.
- Built-in safety allows the cobot to safely work alongside humans, without permanent barriers.
- During production gaps in the weld shop, the cobot arm can even be repurposed to other tasks.

Portable, Compact, and Versatile:
- Mobile and compact footprint – only 3ft x 6ft.
- Bring the Cobot Welding Tool to the work – no need for a dedicated footprint or work envelope.
- Use the Rhino Cart surface to weld smaller parts; or wheel it up to a stationary part or existing fixture.
- Versatile utility setup: system can interchangeably run on single-phase or three-phase power.
**FAST & INTUITIVE PROGRAMMING**

Create your program by simply chaining easy-to-read instructions together.

**Visual Context**
Graphics provide the programmer with valuable context right on the pendant. No need to program with an instruction manual in hand!

**Control Weld & Weave Parameters**

**Utilize Baseline Weld Templates**
Save time by using these templates as a starting point, then refining to the requirements of your application.

**TIME-SAVING SOFTWARE FEATURES**

*Developed by software engineers that actually weld!*

**PATTERN**

**TACK**

**TOUCH SENSE**

**MULTIPASS**

**STITCH**

**TECTIS ArcPilot™ Through-The-Arc Seam Tracking**
"Yeah, you're preaching to the choir here about headwinds and the need to increase productivity. But how do I know if automation will actually work for my applications and business?"

We’re here to help you answer this because we want to empower your success. Below are some general themes, but every part is unique – contact us for a free in-depth Application Evaluation.

1. CONSISTENCY IS KING
Automation thrives on consistency: of parts, fixturing, joint cross-section, material condition, consumables condition, etc. Repetitiveness is more important than accuracy because automation is programmed on a “master part”, and then simply repeated by the arm in production. If the part location or weld conditions change, the arm does not inherently know – which may cause a degradation in quality.

Some adapting technologies exist, but their use is limited to certain scenarios. They also tend to add cycle time, cost, and complexity. The best way to manage inconsistencies is to improve upstream processes!

2. THE LOW HANGING FRUIT
While the temptation may be to automate the large, complex parts that create a significant labor drain whenever they go through the shop, we’ve seen the most efficient deployment of automation to be on the smaller, simpler parts. Let automation take care of the repetitive parts, which allows your skilled welders to shift their focus to the skilled weldments. We’ve also seen success in larger parts being broken up into subassemblies. Here are a few common aspects of low-hanging weldments:
- OMAW (MIG) fillets and bevels
- Steel or Stainless Steel
- A relatively “open” design for torch access
- Types that don’t require repositioning
- High arc time relative to # of welds.

3. THE RIGHT CHAMPION
An integrator can provide all the ingredients for success – even go as far as to provide a turnkey solution. But without the right “Automation Champion”, your potential for long-term success is limited.

From our experience, the best Champions have a high sense of ownership and are eager to make it work. We’ve found these “soft” attributes to be more critical than the “hard” technical aspects. The technical aspects can be easily taught to an eager Champion with accountability. We’ve seen successful Champions from all backgrounds: owners, owners’ children, engineers, welders, machine operators, foremen, apprentices.

And remember Vectis is here to support your Cobot Welding Tool for life: Support@VectisAutomation.com  970-852-5200

With over 100 years of combined experience in the welding automation industry, we’ve learned the recipe for success. We’re here to help guide you through the process of evaluating and implementing automation.

THE VECTIS PROCESS

1. START
Let’s start a conversation to see if our Cobot Welding Tool can lend a hand in your shop. You can reach us at Connect@VectisAutomation.com or by calling 970-852-5200

2. EVALUATE
Share application information with us (pictures, drawings, etc), and together we’ll evaluate your application’s fitness for automation and its fit for the Vectis system in particular. If there are potential snags or hurdles in automating your weldments, we’ll be upfront with you about that – and then talk about ways to overcome them.

We can also support on the commercial evaluation – cycle time estimates, ROI, and capacity planning.

3. DECIDE
Our mission is to provide you with a practical solution to increase your welding capacity, quality, and stability. This may come in the form of our Cobot Welding Tool, or it may not. It might be some other form of automation, just as it might be process recommendations in manual welding and/or upstream. We will never recommend our product if it is not a sensible fit for both your technical and your commercial needs.

4. PREPARE
Our system ships to you in just a few weeks. In that short timespan, you’ll go through our Prep Guide and start familiarizing yourself with the system via our User Manual and Instructional Videos on Youtube (Tap).

5. SETUP
Be welding within hours thanks to the quick & easy setup of the Vectis system. Roll the system off the pallet, mount the cobot with four bolts, connect utilities and power on, check tool calibration, and then run your first weld!

6. PRODUCE
Your Cobot Champion will teach part programs using our intuitive interface and weld templates. Programs can be created, saved, and later recalled in order to handle the many part numbers that go through your shop. Once the part program is created and saved, the Vectis Cobot Welding Tool simply repeats the program in production mode.
LET'S WELD TOGETHER

www.VectisAutomation.com
Connect@VectisAutomation.com
970-852-5200

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