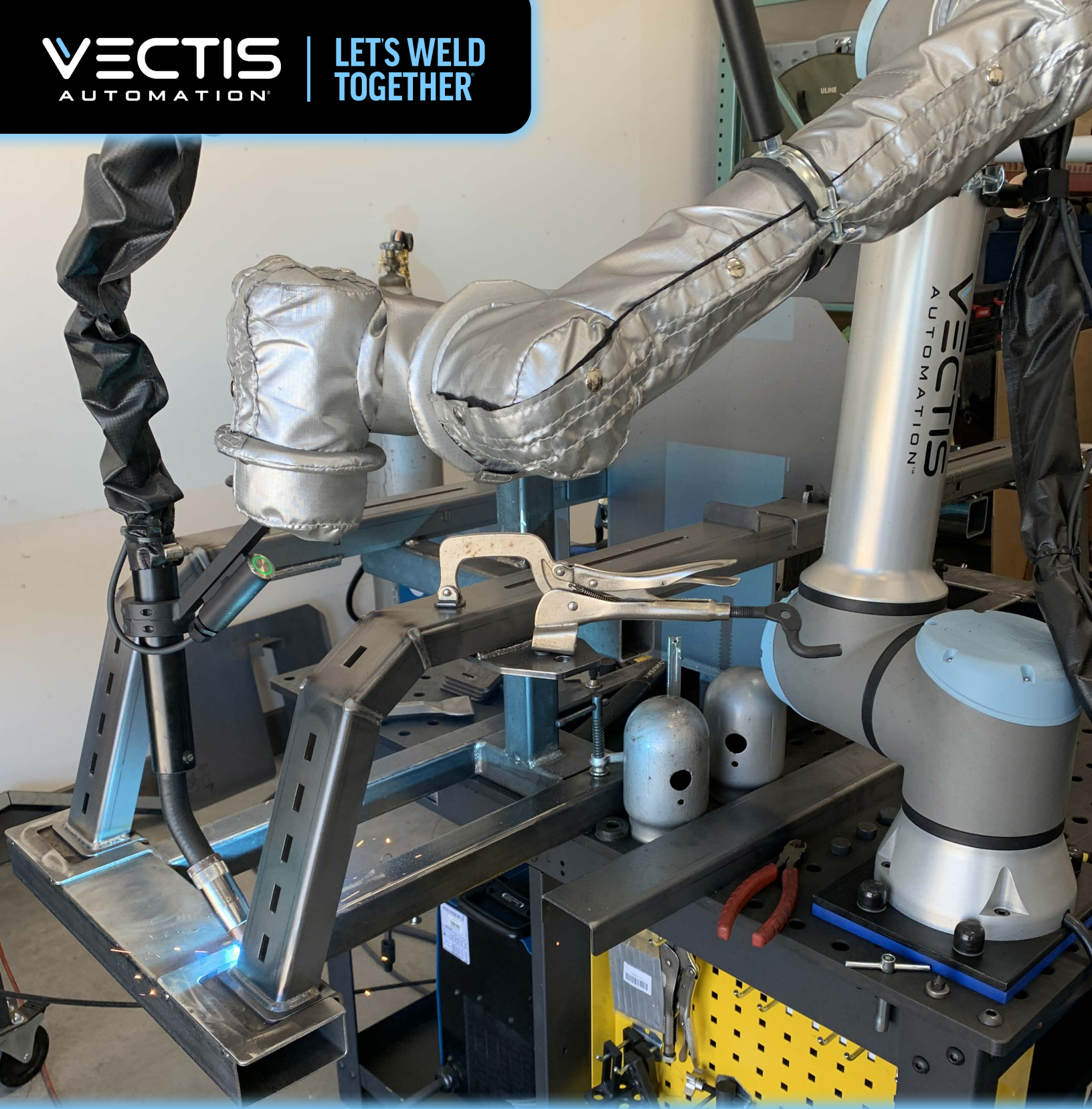


VECTIS
AUTOMATION®

LET'S WELD
TOGETHER®



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."

— Omar Stoltzfus, Breeo LLC, owner of 5 Vectis systems

"Vectis has changed the game!"

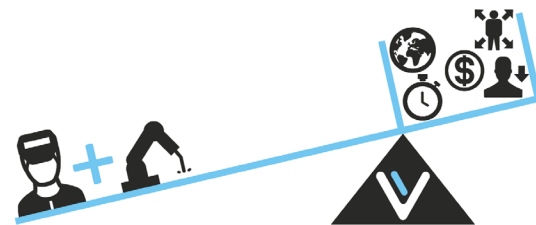
— Perry Kinoshita, Sr. Dir. Ops/Eng, Noffsinger Mfg

"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



“Vec·tis” / 'vek(t)əs / Latin:
A lever, leverage



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.

With **100+ years** of combined experience in the robotic welding industry, the **VECTIS** team is known for its delivery of **substance** and **results**.

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?"

9.38/10



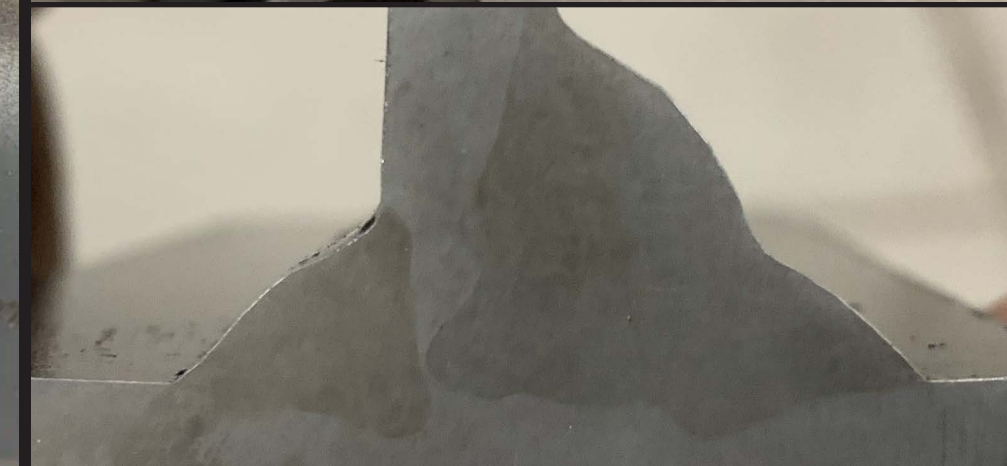
"How would you rate Vectis during the **upfront sales/application process?**"

9.88/10

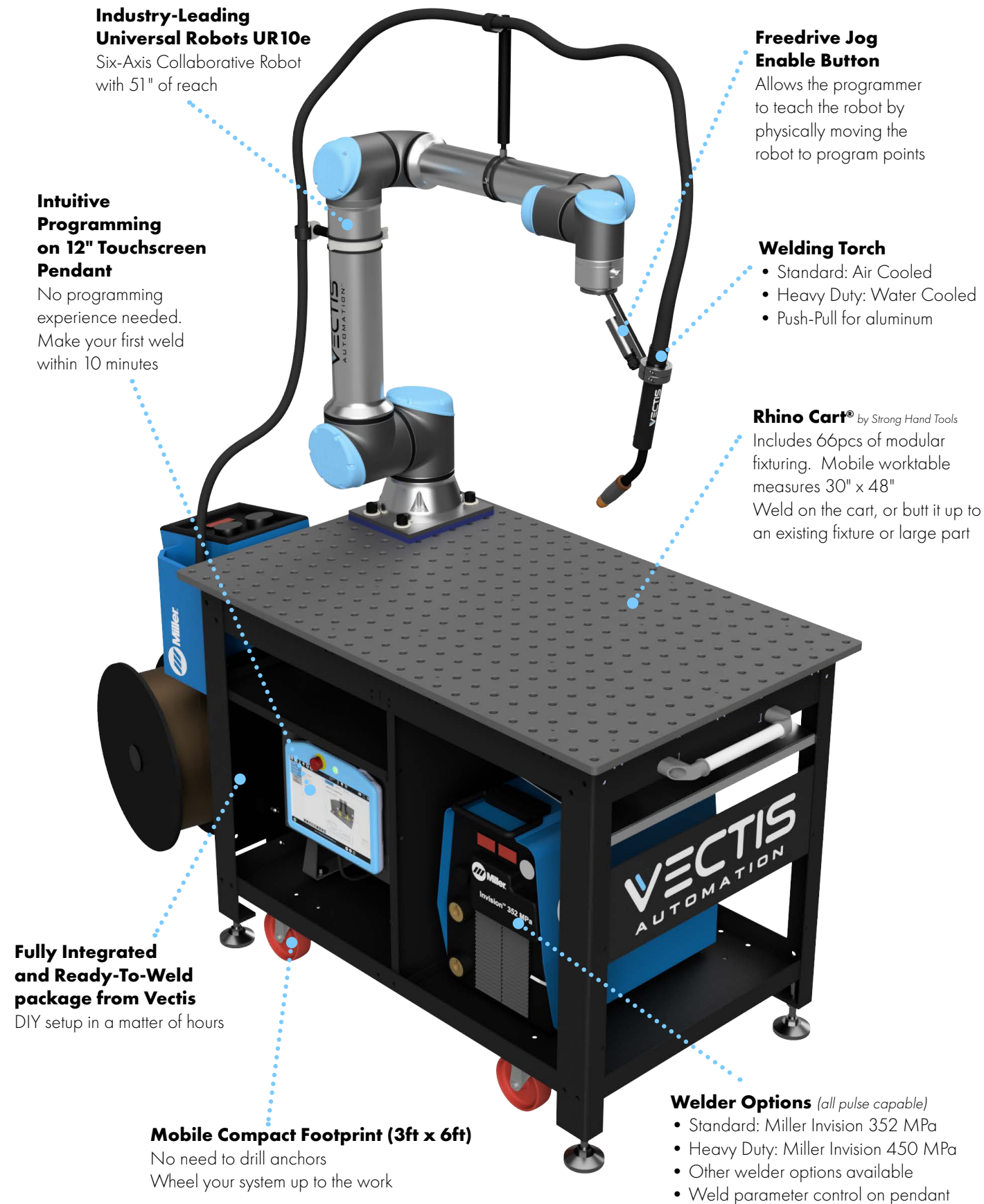


"How would you rate Vectis' **post-sales support & responsiveness?**"

9.88/10



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 **Weaving, Pattern, Stitch, Tack, Touch Sensing, MultiPass.**
- More features are continually being developed by Vectis' in-house Welding Software Team.



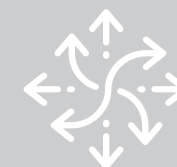
Get into production faster:

- 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 to have our tech on-site.
- **"I made my first part program in just an hour"** – Scott Yach, Cobot Champion, Ludlow Mfg.



Collaborative Robot (Cobot) Technology:

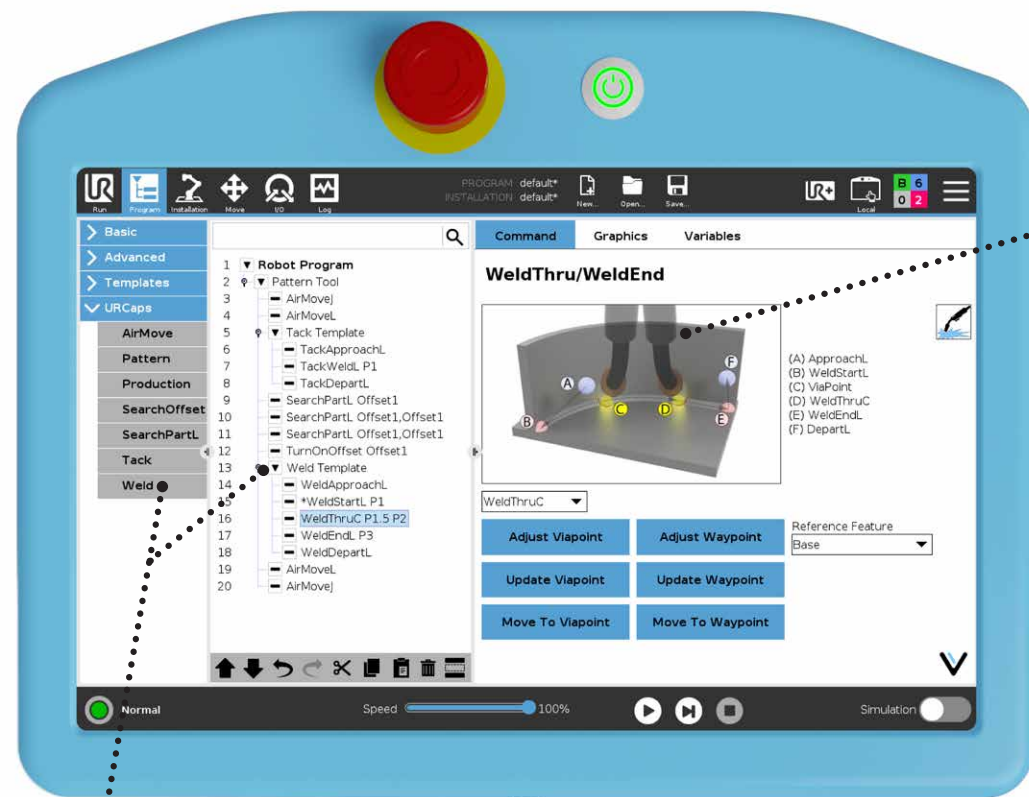
- **Freedrive Jog** allows the programmer to teach by physically moving the cobot to program locations.
- Built-in safety allows the cobot to **safely work alongside humans**, without permanent barriers.
- During production gaps in the weld shop, the cobot arm can even be repurposed to other tasks.



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



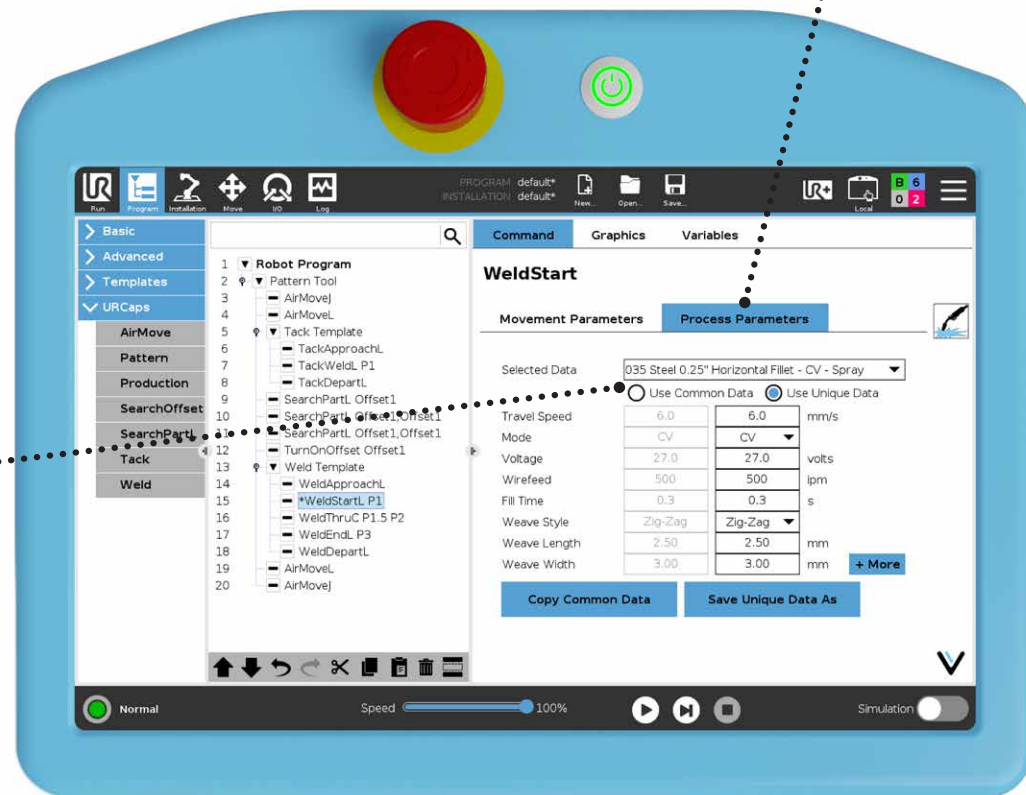
Visual Context

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

Simple Program Creation

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

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

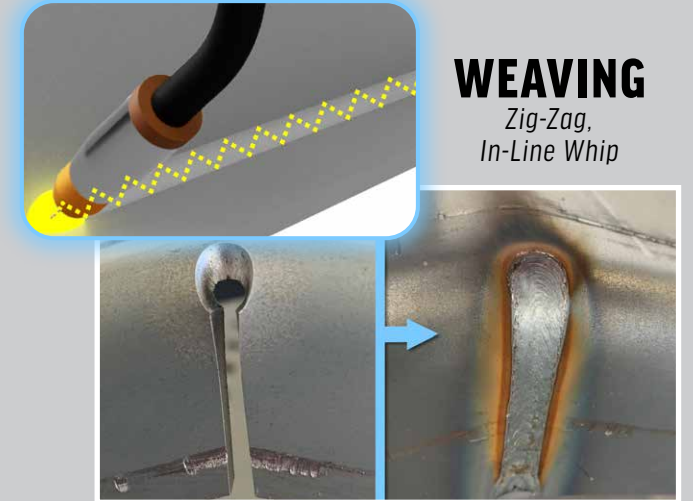
Developed by software engineers that actually weld!

PATTERN



WEAVING

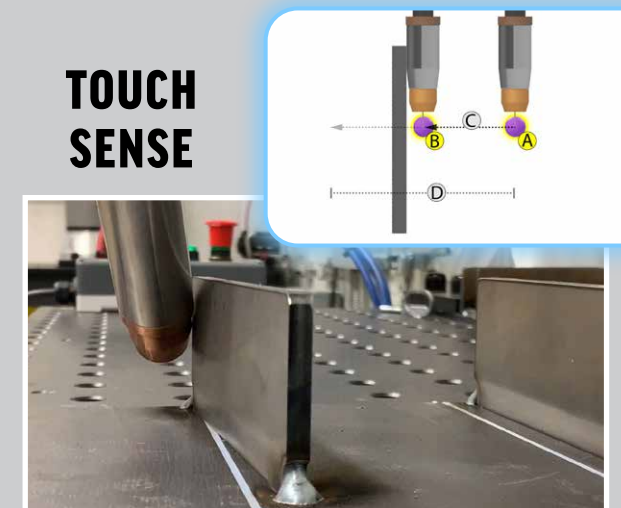
Zig-Zag,
In-Line Whip



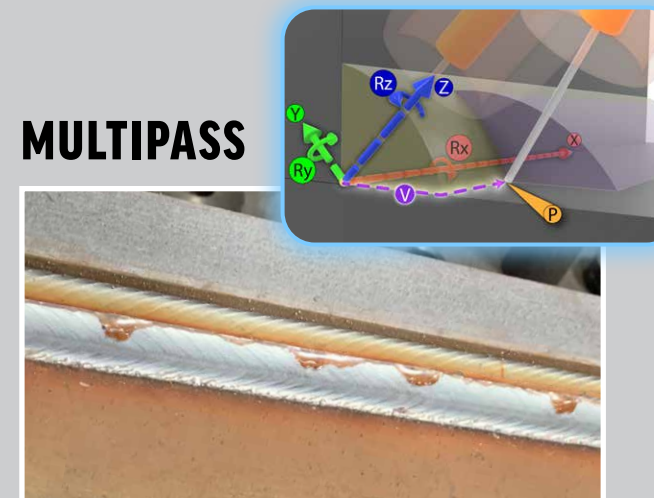
TACK



TOUCH SENSE



MULTIPASS

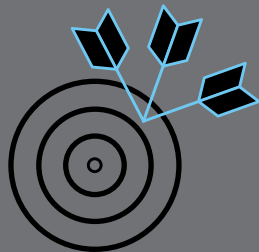


STITCH



"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. Repeatability 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.

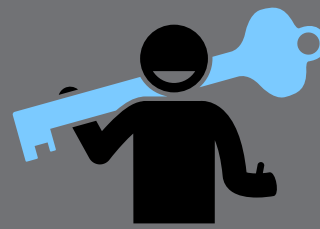
Some adapting technologies exist, but their use is limited to certain scenarios. They also tend to add cycle time, cost, and complexity. **The best way to manage inconsistencies is to improve upstream processes!**



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:

- GMAW (MIG) fillets and bevels
- Steel or Stainless Steel
- A relatively "open" design for torch access
- Parts that don't require repositioning
- High arc time relative to # of welds



3. THE RIGHT CHAMPION

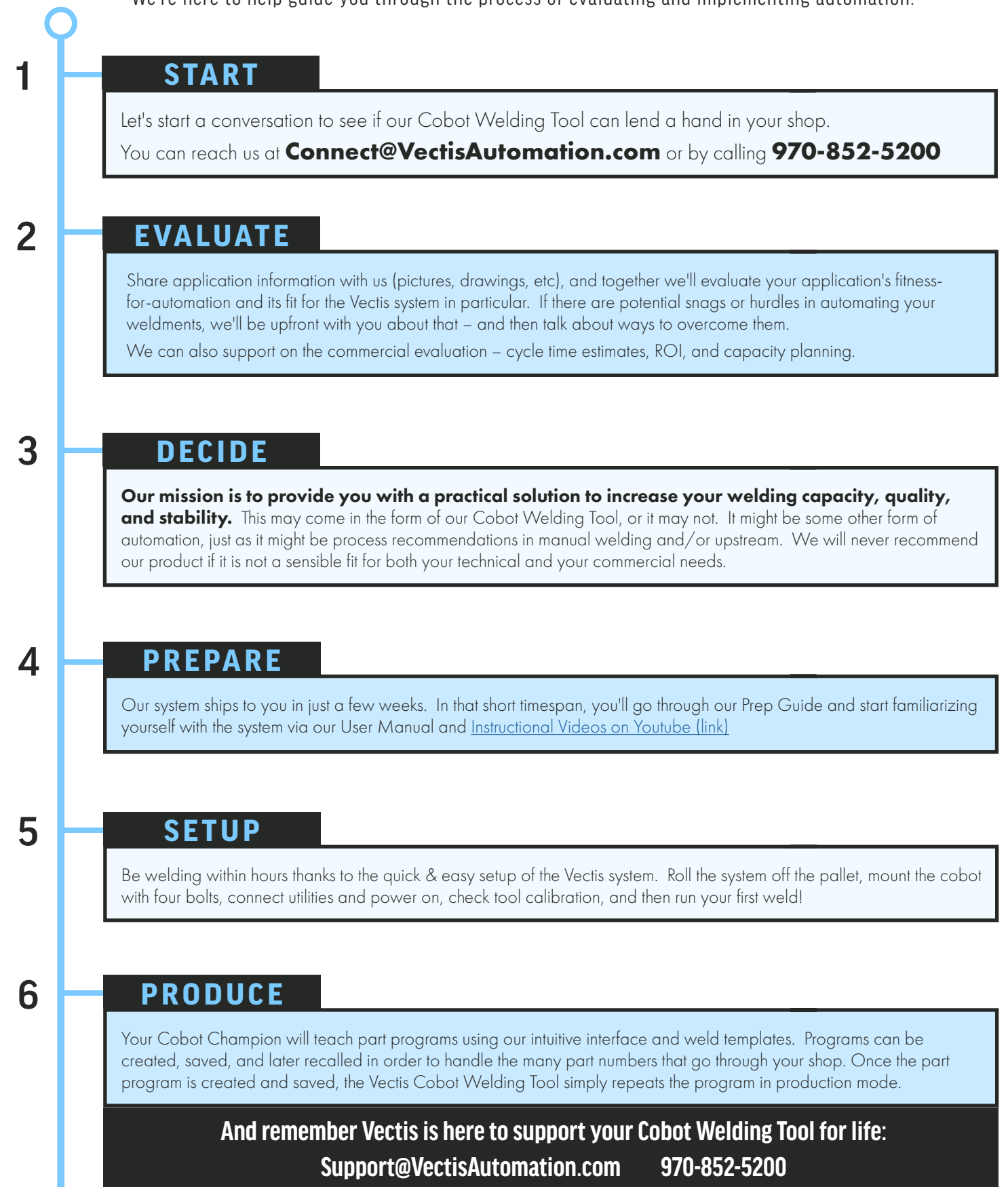
An integrator can provide all the ingredients for success – even go so far as to provide a turnkey solution. But without the right "Automation Champion", your potential for long-term success is limited.

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.



THE VECTIS PROCESS

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.





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