

**VECTIS**  
AUTOMATION

LET'S FAB  
TOGETHER



# BOOST PRODUCTIVITY

WITH AFFORDABLE, VERSATILE, AND EASY-TO-USE  
VECTIS COBOT FABRICATION TOOLS

"With the Vectis, **welding is no longer our bottleneck**"

– Jim Huff, owner, H&H Metals - 5x productivity increase

"From 70min manual to 8min with the Vectis - an **8.5x productivity boost**. What you have for a team is special."

– Kevin Wormwood, Plant Manager, D&G Machine

"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 finish a batch 2-4x faster with it."

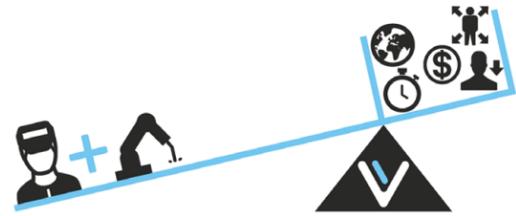
– Jason and Cameron - welders using the Vectis system

"23 years in manufacturing, this is the first system I've purchased that **worked 100% as advertised right out of the box.**"

– Jeff McGuire, Laser Precision, owner of 5 Vectis tools



“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 easy-to-use Cobot Fabrication Tools, providing leverage to boost productivity in your fab shop.

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

With **150+ years** of combined experience in the robotic fabrication 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 hundreds of Vectis customers have to say:*

"How likely are you to **recommend** Vectis to a friend or colleague?"

**9.3/10**



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

**9.7/10**



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

**9.6/10**



# THE RIGHT TOOL FOR THE JOB

Vectis offers a comprehensive range of Cobot Fabrication Tools, all backed by our expert team and 30-day guarantee. Tackle a broad variety of applications on an easy-to-use, high-feature, commonized, and robust software platform.



Air-Cooled  
Standard Duty

Water-Cooled  
Heavy Duty

Push-Pull for Aluminum

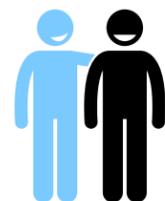
**VECTIS** leverage at the core of every Tool:



Easy-to-use Software



Peace-Of-Mind



Application Expertise

Compatible with common equipment brands



Plasma  
Cutting

Remote Mounting



*New product –  
come see it at  
Fabtech Atlanta!*

# KEY BENEFITS AND FEATURES



## Peace-of-Mind:

30-day Money Back Guarantee  
"Try Before You Buy" rent-to-own program  
93% customer recommendation rating



## Lower Costs:

All-in price. No hidden costs  
No subscription fees  
20-45% less than traditional cells



## Crazy Easy-to-Use:

No programming experience needed  
Make your first weld/cut within 10 minutes  
Powerful software features made easy



## Produce Faster:

Our solution ships in a few weeks  
DIY setup in 2 hours after arrival  
Most customers see 2-4x productivity boost



## Cobot-Powered

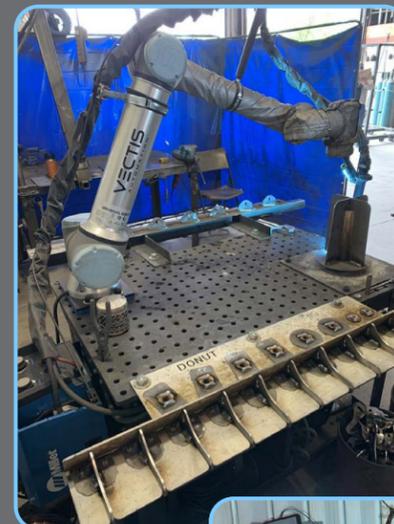
Intuitive Freedrive programming  
Built-in safety allows versatility  
Industry-leading UR cobot



## Expert Help

No-cost upfront application evaluations  
Domain knowledge from 150+ yrs experience  
Focused product line = focused support

# SYSTEM VERSATILITY

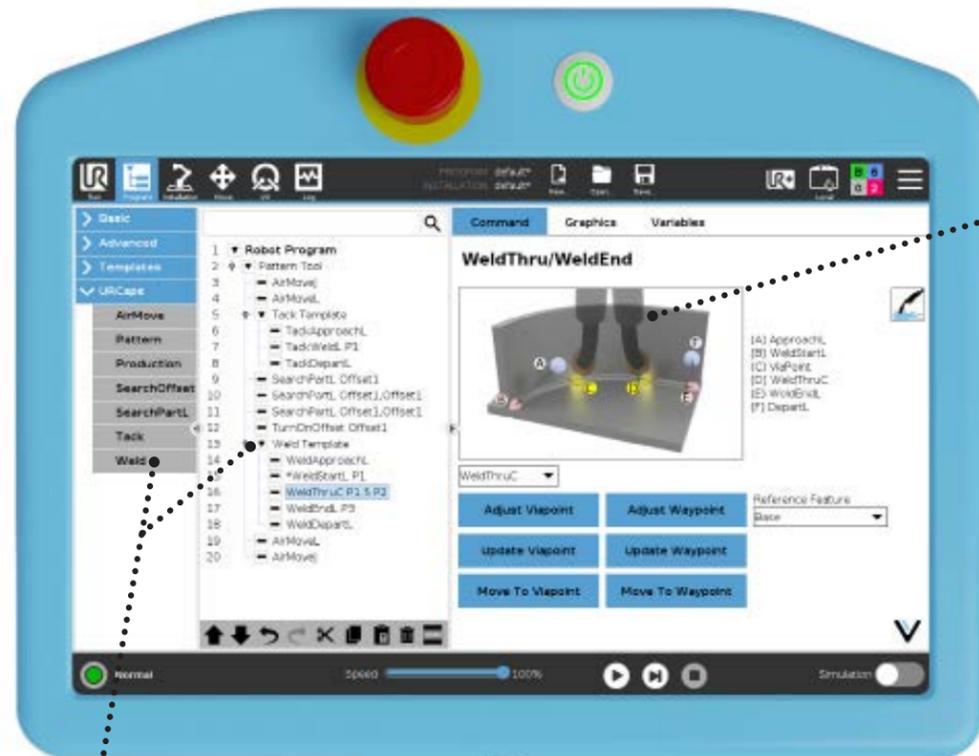


Existing  
Fixtures

Multi  
Zone

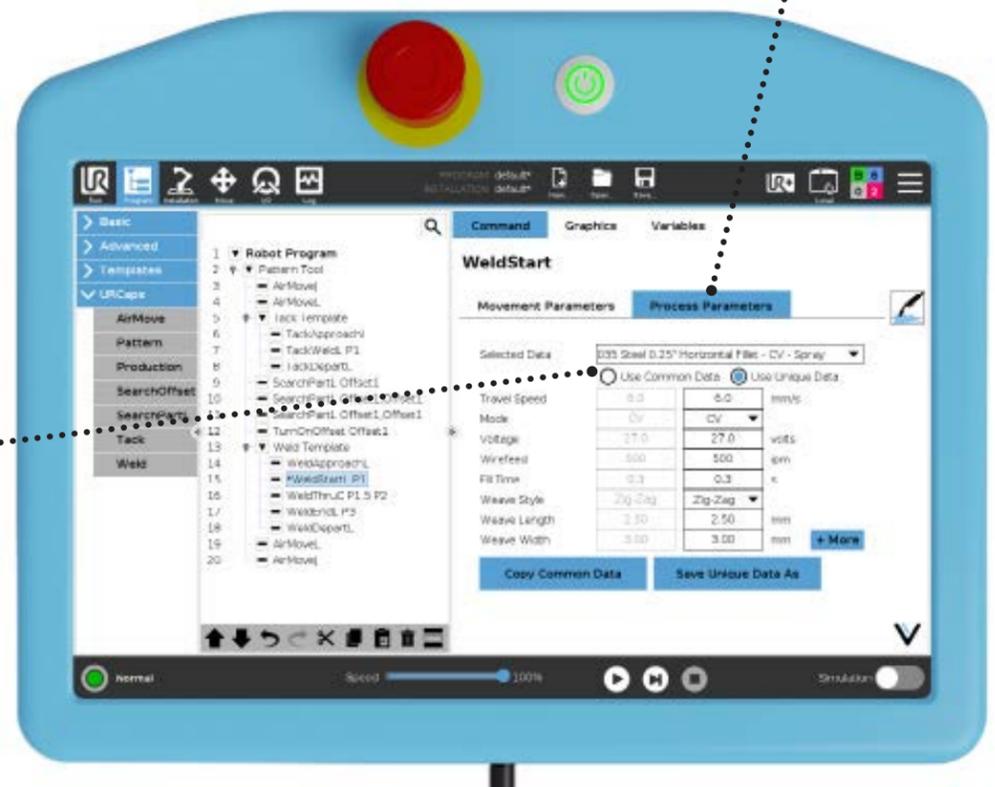


# FAST & INTUITIVE PROGRAMMING



**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.

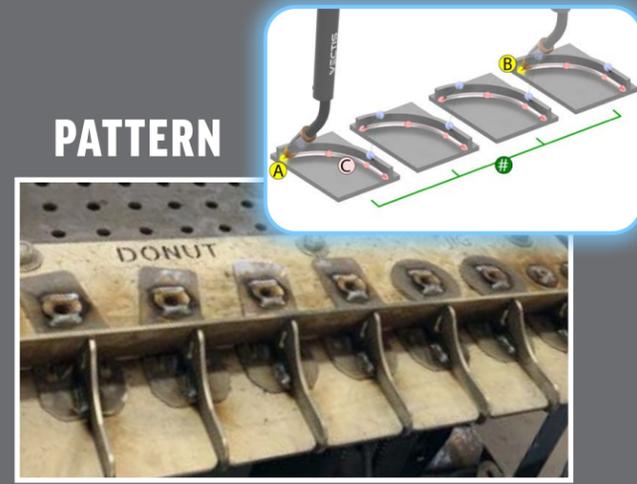


**Control Weld & Weave Parameters**

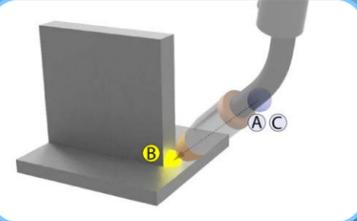
**Utilize Baseline Weld Templates**  
Save time by using these templates as a starting point, then refining to the requirements of your application.

# TIME-SAVING SOFTWARE FEATURES

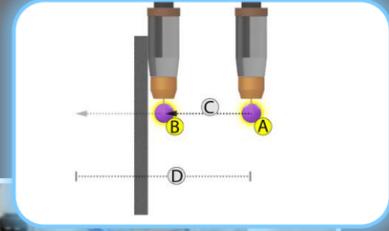
## PATTERN



**VECTIS ArcPilot™**  
Through-The-Arc Seam Tracking



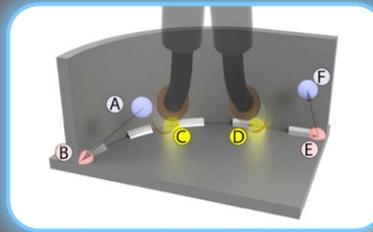
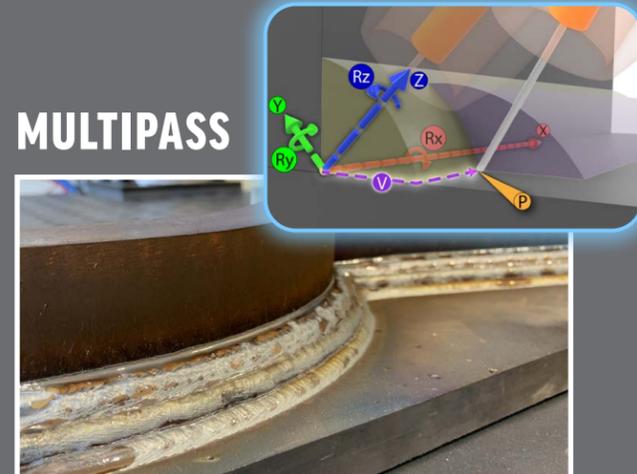
## TACK



## TOUCH SENSE



## MULTIPASS

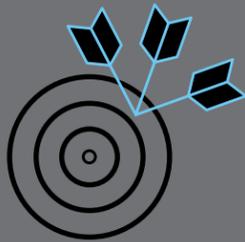


## STITCH



*"Yeah, you're preaching to the choir here about my challenges. But how do I know if automation will actually work for my applications & 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 no-cost 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

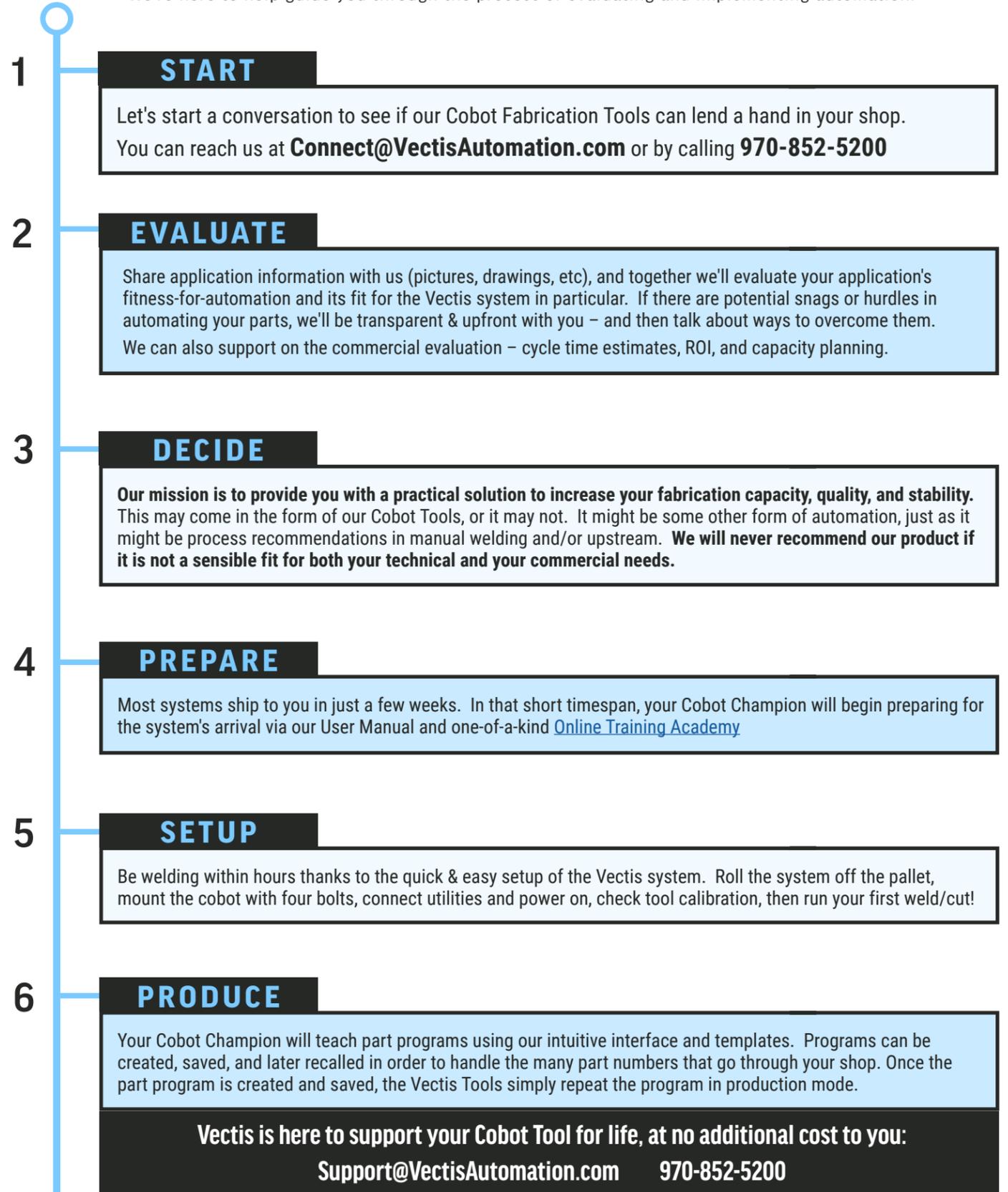
An integrator can provide all the ingredients for success – even go so far as to provide a turnkey solution. But without the right "Automation Champion", your potential for long-term success is limited.

The best Champions come from all backgrounds, but all have a high sense of ownership and are eager to make it work. Generally speaking, someone with welding knowledge (not necessarily welding dexterity!) and/or a fixturing mentality will pick up the system quicker than a whiz-bang programmer. The programming is easier than honing-in the weld process and figuring out how best to jig-up parts.



## THE VECTIS PROCESS

With over 150 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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