

**VECTIS**  
AUTOMATION®

**LET'S FAB  
TOGETHER®**



**ADVANCED  
TECHNOLOGIES  
CONSULTANTS, INC.**



**BOOST PRODUCTIVITY**

**WITH POWERFUL, 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

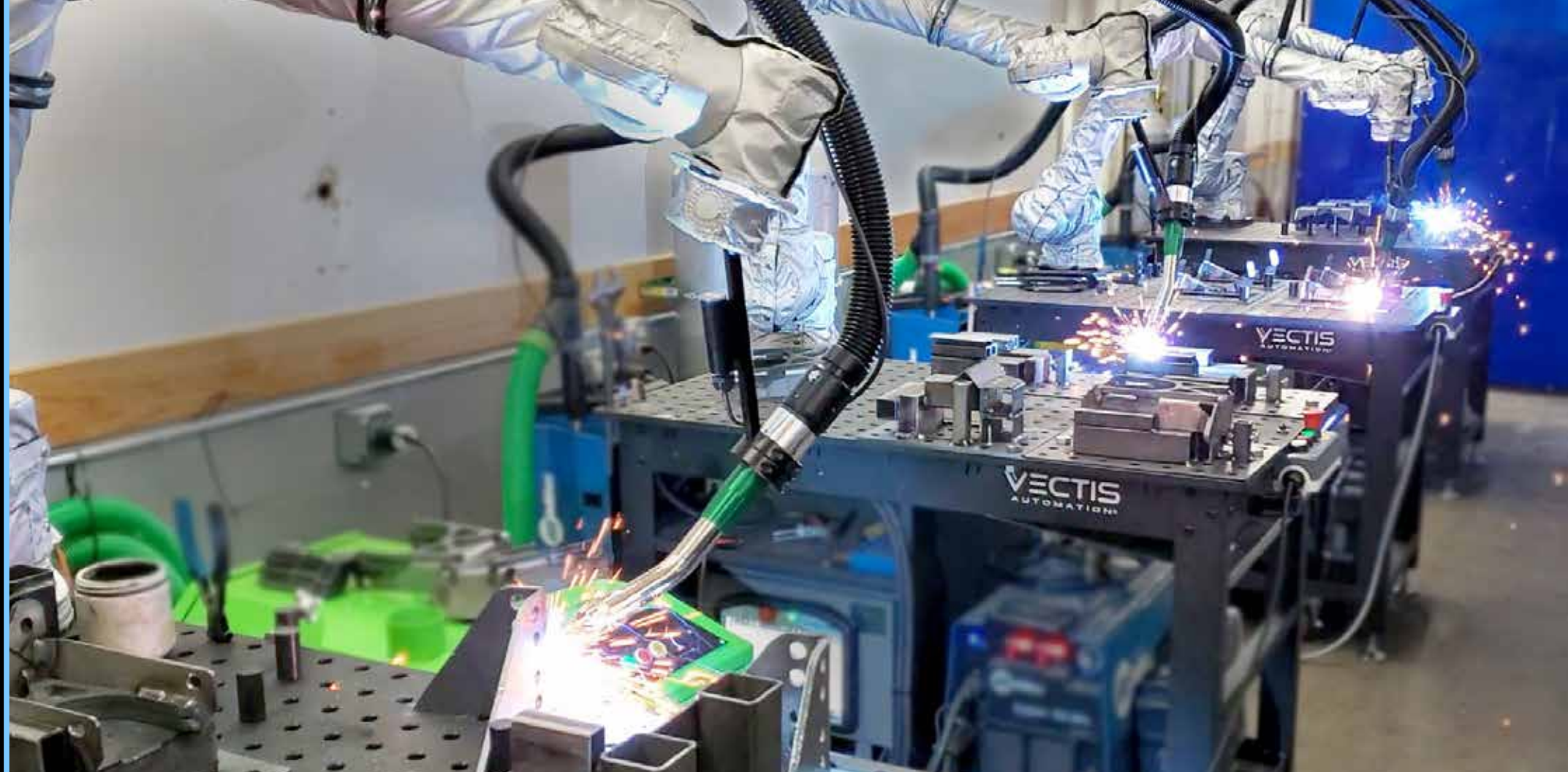
**"The Vectis tool is wonderful, helps me with the mundane."**

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

– Jason and Cameron - welders using the Vectis system

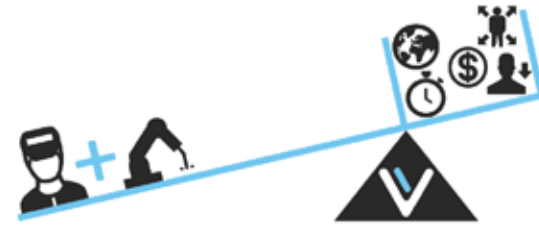
**"23 years in manufacturing, this is the first system I've purchased that worked 100% as advertised right out of the box."**

– 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 **200+ 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?"

**9.4/10**



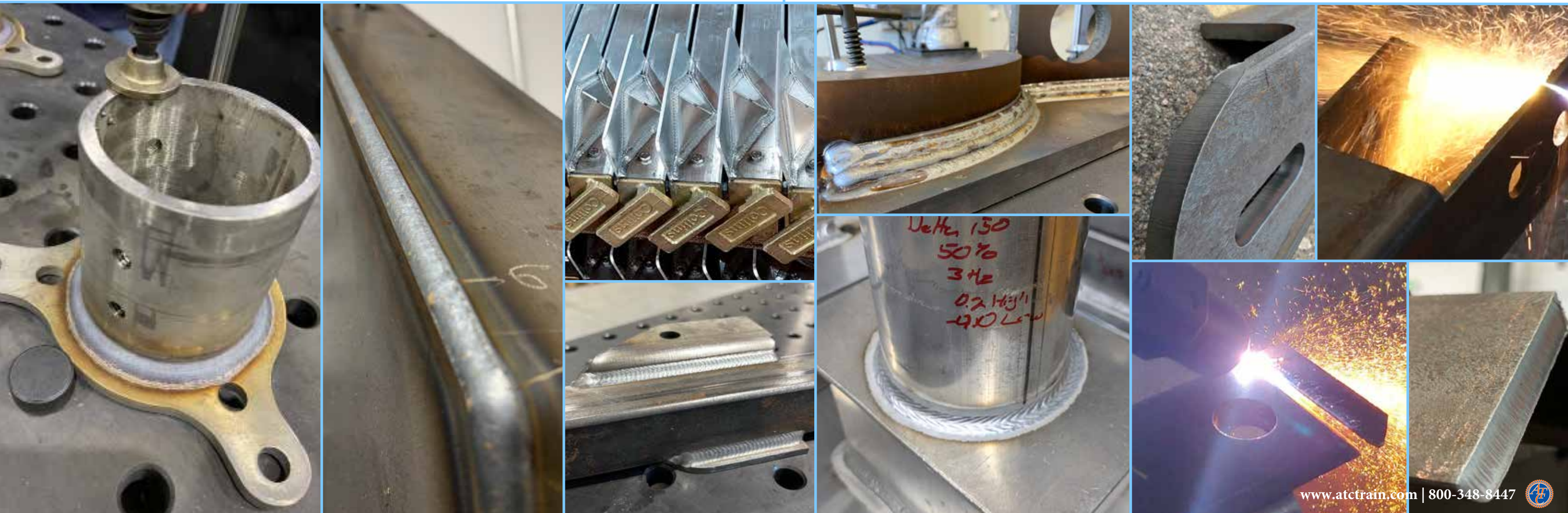
"How would you rate Vectis during the **upfront sales/application process**?"

**9.7/10**



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

**9.6/10**





# THE RIGHT TOOL FOR THE JOB



Standard Duty  
Air-Cooled

Heavy Duty  
Water-Cooled

Push-Pull  
Aluminum/Steel

Plasma Cutting  
3D Shape Cutter

FlexFab  
Dual-Station System

## Tabletop Configurations

Compatible with common equipment brands

## Vectis Advantages

- Fume Extraction
- Seam Tracking
- Positioners
- Weld Development
- Fixture Design & Build
- Touch Sensing
- Stitch Tool
- Pattern Tool
- Angle Align Tool
- Multipass

...and always innovating more!



Easy-to-use Software

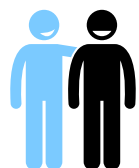


Multiple Robot Lengths



**The ATC Advantage**  
Quality products backed by warranty and lifetime service at no charge

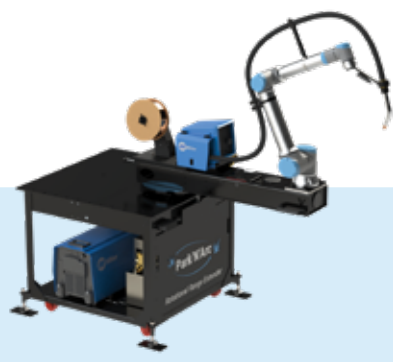
Peace of Mind



Application Expertise



Boom  
Remote Mounting



Park'N'Arc  
Rotational Range Extender



Rover  
Remote Fabrication System

## Additional Deployment Methods



Reach out to our team of applications experts to find the right tool for you!

# KEY BENEFITS AND FEATURES



## Peace-of-Mind:

The ATC Advantage, quality products backed by warranty and lifetime service at no charge



## 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:

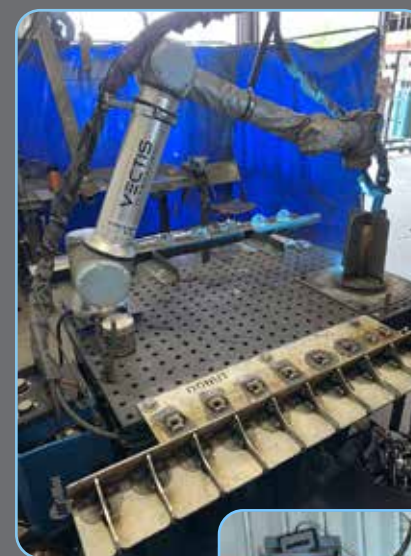
Intuitive Freedrive programming Built-in safety allows versatility Industry-leading UR cobot



## Expert Help:

No-cost upfront application evaluations Domain knowledge from 200+ yrs experience Focused product line = focused support

# SYSTEM VERSATILITY



MULTI  
ZONE

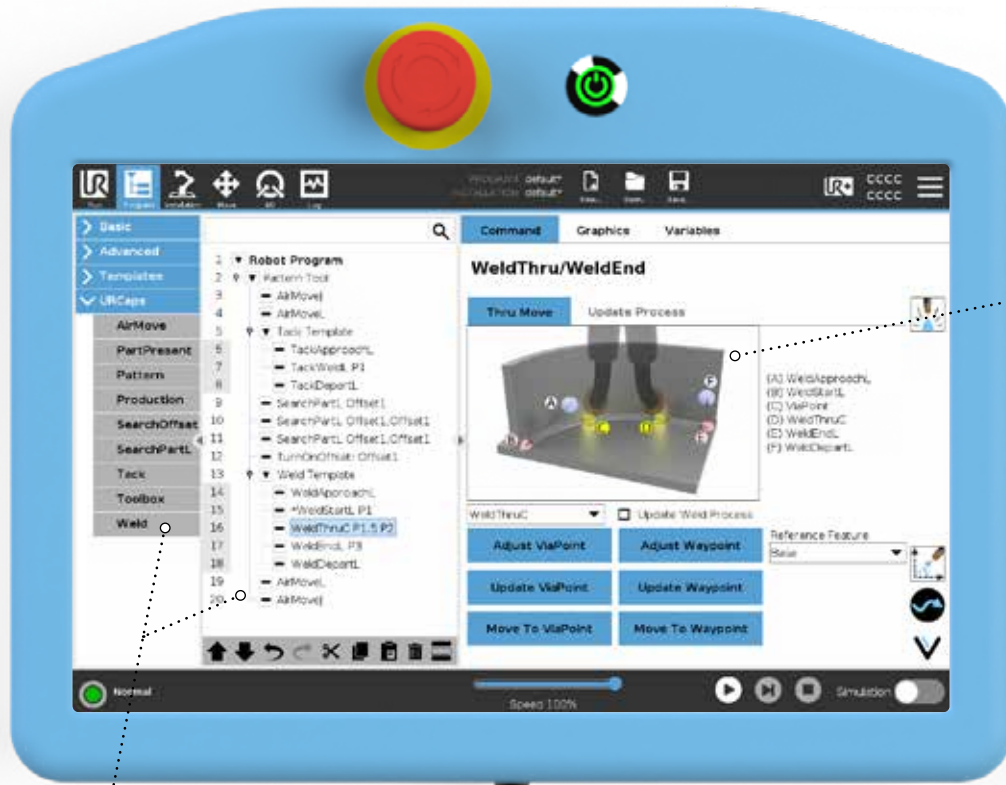


EXISTING  
FIXTURES





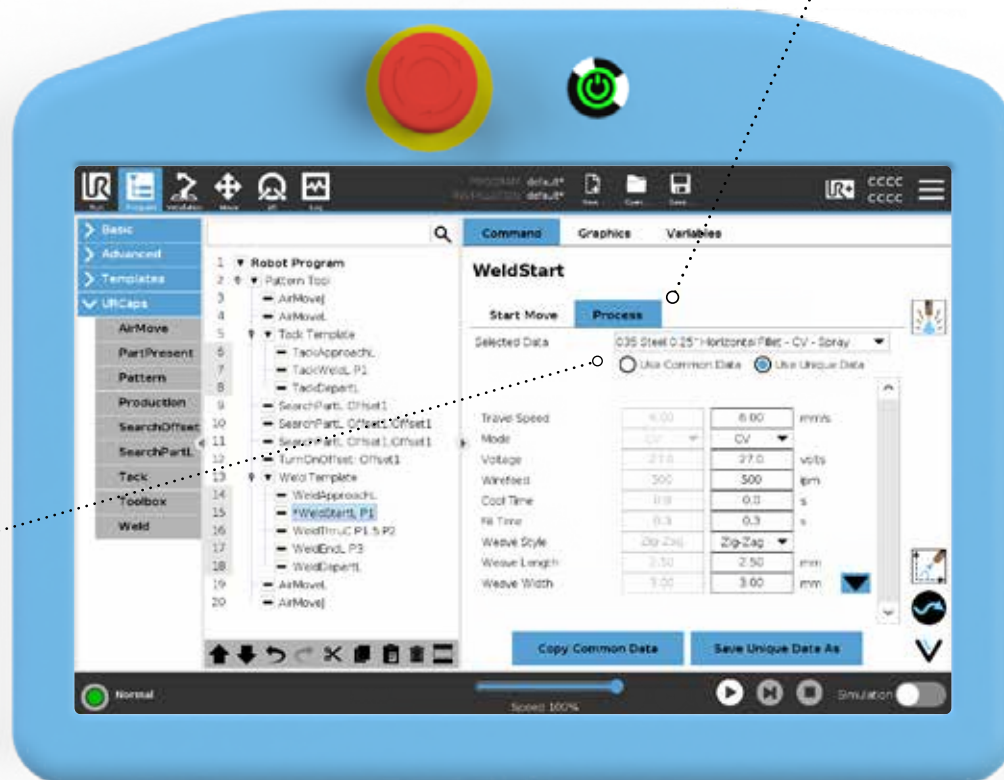
# FAST & INTUITIVE PROGRAMMING



**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.

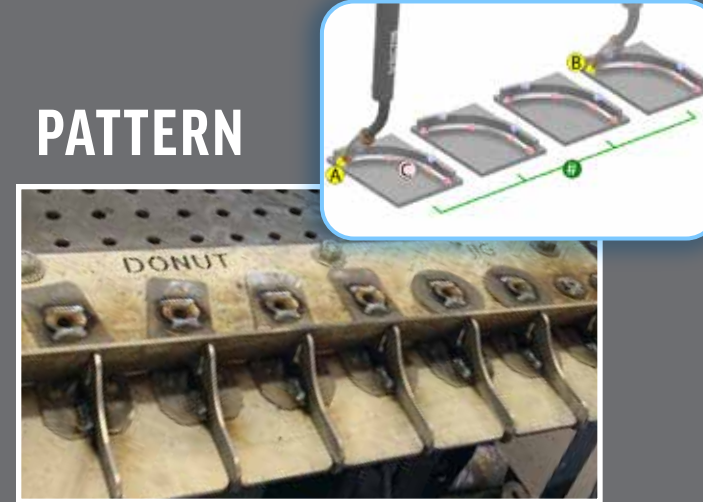
**Control Weld & Weave Parameters**



**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

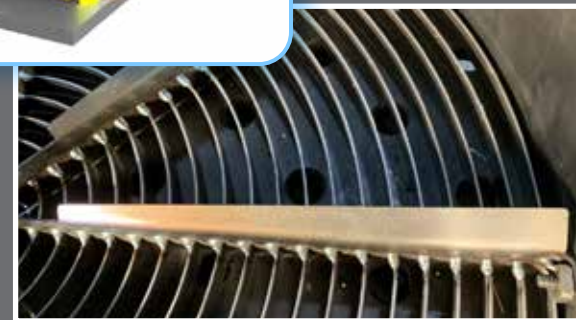
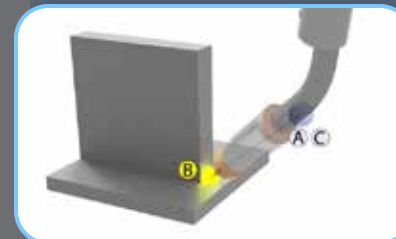


## VECTIS ARCPILOT™

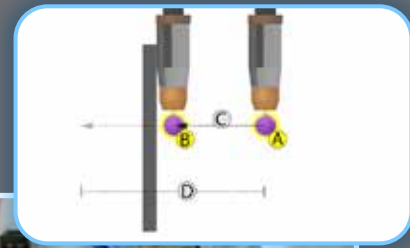
Through-The-Arc Seam Tracking



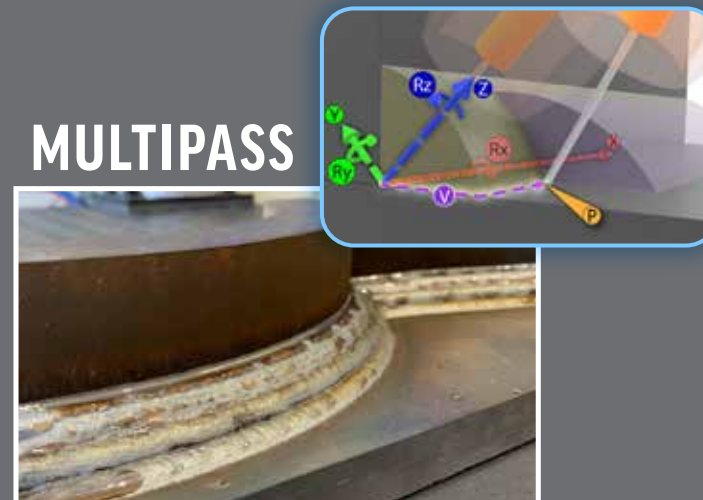
## TACK



## TOUCH SENSE



## MULTIPASS

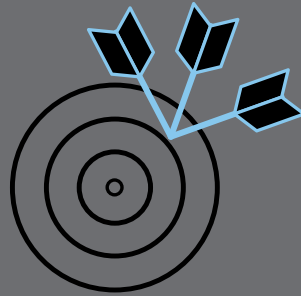


## STITCH



*“Yeah, you’re preaching to the choir here about my challenges. But how do I know if automation will acutally 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-dept 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.

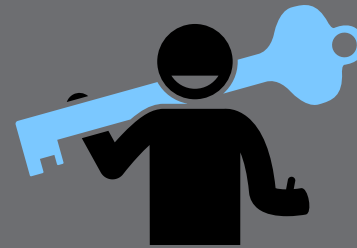
Some adapting technologies exist, but their use is limited to certain scenarios. They also tend to add cycle time, cost, and complexity. The best way to manage inconsistencies is to improve upstream processes!



### 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:

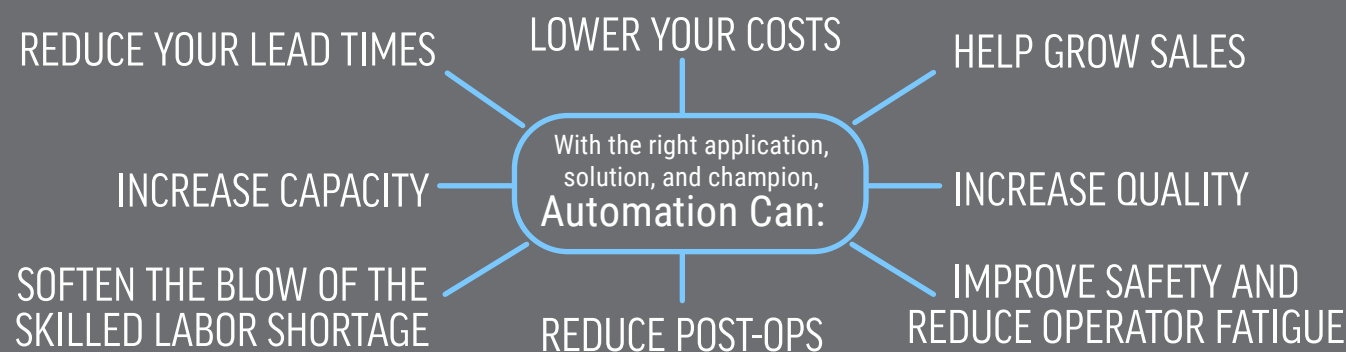
- GMAW (MIG) fillets and bevels
- Steel or Stainless Steel
- A relatively “open” design for torch access
- Parts that don't require repositioning
- High arc time relative to # of welds



### 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 learded the recipie for success. We’re here to help guide you through the process of evaluating and implementing automation.

- 1 START**  
 Let's start a conversation to see if our Cobot Fabrication Tools can lend a hand in your shop. You can reach us at [Connect@VectisAutomation.com](mailto: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 parts, we'll be transparent & upfront with you – 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 fabrication capacity, quality, and stability. This may come in the form of our Cobot Tools, 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**  
 Most systems ship to you in just a few weeks. In that short timespan, your Cobot Champion will begin preparing for the system's arrival via our User Manual and one-of-a-kind [Online Training Academy](#)
- 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, then run your first weld/cut!
- 6 PRODUCE**  
 Your Cobot Champion will teach part programs using our intuitive interface and 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 Tools simply repeat the program in production mode.

**Vectis is here to support your Cobot Tool for life, at no additional cost to you:**  
[Support@VectisAutomation.com](mailto:Support@VectisAutomation.com)    **970-852-5200**







Contact your local ATC  
Representative for more  
information!

[www.atctrain.com](http://www.atctrain.com)  
800-348-8447  
[sales@atctrain.com](mailto:sales@atctrain.com)

Main Office

110 West Main Street  
Northville, MI 48167

Texas Office

2601 Little Elm Parkway  
Suite 1303  
Little Elm, TX 75068

**VECTIS** | LET'S FAB  
AUTOMATION® TOGETHER®



*Scan for more info, videos, and to get in touch!*

Copyright © Vectis Automation LLC 2019-2023. All Rights Reserved. All trademarks & registered trademarks are the property of their respective owners. Additional product details, terms, and conditions can be found on our website or in a proposal upon request.

