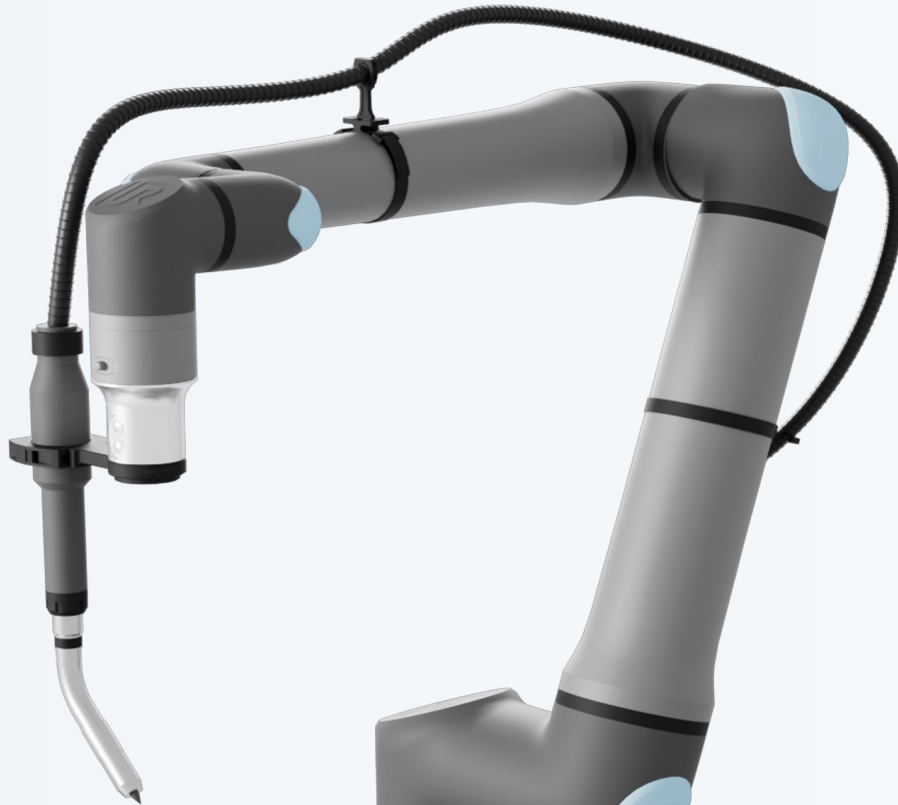


Click & Customize

# Next-Gen Robotic Welding

Customize one of six Quick Start robotic welding solutions in hours. No programming knowledge needed. Quick ROI.



Customize in  
MachineBuilder™

## Deploy a Lasting Labor Solution

Automate repetitive tasks, let your skilled welders focus on precision welds.

## Modernize Your Operation in Days

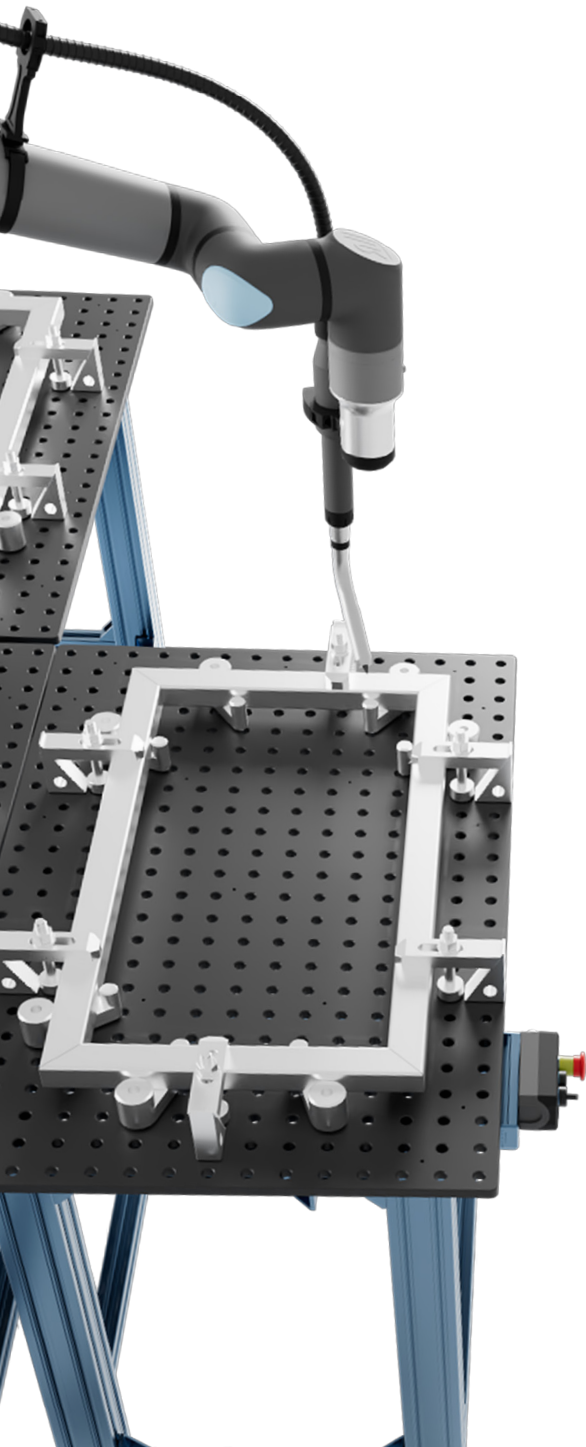
Design, automate, and deploy your welding robot 3× times faster.

## Best-in-Class Robotic Components

Choose only the parts you need. Tools from trusted welding brands.

# Customize Your Welding Solution

Choose plug-and-play components, software, and other tools from providers in welding and robotics.



# 1

## Design a base or a frame for your welding cell

- Carts
- Pedestals
- Overhead & floor-mounted Robot 7th Axis

# 2

## Select welding table-top & fixtures to clamp and locate parts

- Nitrided and black oxide 5/8" welding table top
- Weld spatter, rust and scratch resistance

# 3

## Find the right robot arm for your welding needs

- Compatible with all UR and ABB cobots
- Reach up to 1750mm / 68.9in

# 4

## Program your welding station with no-code interface

- SmoothTool programming flange with UR cobots
- Easy Teach device and Arc Ware software with ABB cobots
- Push button functionality to start/stop your program, turn the arc on/off and e-stop your operation
- Retrofit kits to integrate with all power sources



## Customize with Vention MachineBuilder™

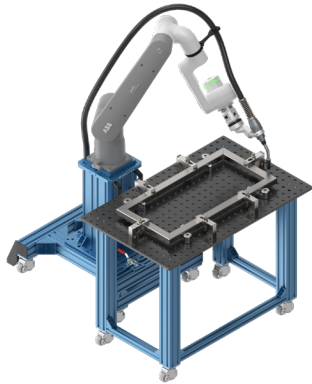
Customize your welding solution and more! Expand and upgrade your factory with stationary and moving solutions, from worktables to robots. Our Fast Factory™ ecosystem includes more than 4,000 compatible parts.



# Quick Start Models Available

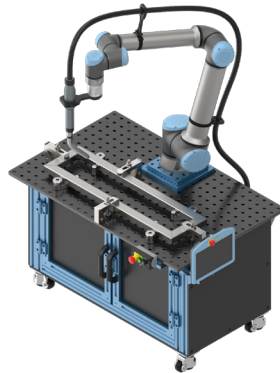


Customize pre-design configurations with Vention's flexible and modular options.



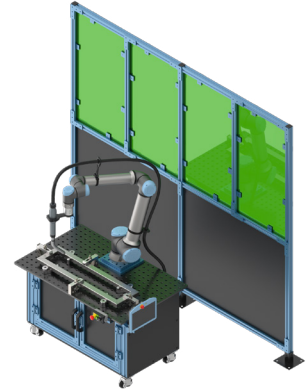
## Mobile Welding Station

Move your cobot welding pedestal to any weld table in your shop.



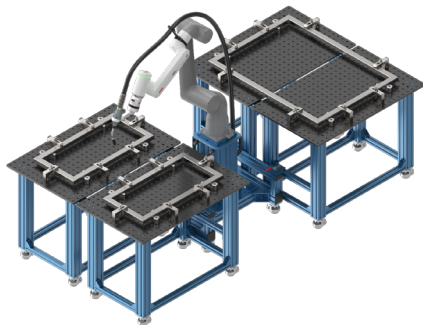
## Compact Welding Carts

Customize an integrated welding cell for your storage needs and power source.



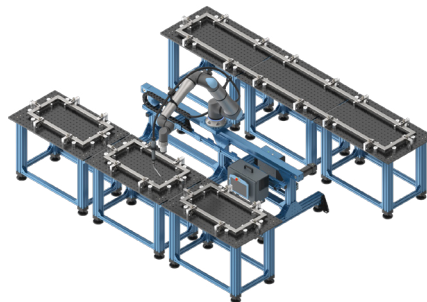
## Safety Enclosure

Add Tuffak Weld Curtain Polycarbonate panels to ensure the safety of your employees.



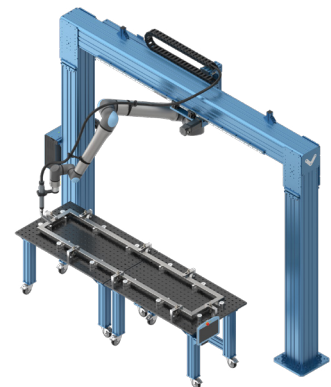
## Multiple Welding Stations

Process multiple weld tasks using modular tables and a robot arm with longer reach.



## Floor Mounted 7th Axis

Run larger production volumes and increase autonomy with floor mounted 7th axis.



## Overhead 7th Axis

Simplify larger welding tasks with the overhead frame to access hard to reach areas.



After we looked at some of the packaged solutions out there, we didn't find one that quite fit what we wanted. **We needed to have more flexibility.**

- David Summers, Manufacturing Engineer  
Daifuku Manufacturing Canada





<b>Welding Cell Configuration</b>	<ul style="list-style-type: none"> <li>• Modular mobile and fixed welding table</li> <li>• 7th-axis and 8th-axis solution; floor-mounted and overhead</li> <li>• Compatible with Vention's unified ecosystem extrusions, plates, connectors and accessories</li> </ul>	<ul style="list-style-type: none"> <li>• Modular mobile and fixed welding table</li> <li>• Compatible with Vention's unified ecosystem extrusions, plates, connectors and accessories</li> </ul>
<b>Robot Arm</b>	<ul style="list-style-type: none"> <li>• Compatible with UR3e, UR7e, UR12e, UR16e, UR20 and UR30</li> <li>• Reach up to 1750 mm / 68.9 in</li> </ul>	<ul style="list-style-type: none"> <li>• Compatible with GoFa5, GoFa10 and GoFa12</li> <li>• Reach up to 1620 mm / 63.8 in</li> </ul>
<b>Power Source</b>	<ul style="list-style-type: none"> <li>• Compatible with all welding power sources</li> </ul>	<ul style="list-style-type: none"> <li>• Fronius or Miller power source included</li> </ul>
<b>Programming</b>	<ul style="list-style-type: none"> <li>• SmoothTool programming flange</li> <li>• Advanced welding capabilities: fine-tuning of welding parameters (e.g., speed, torch angles, and weld paths) directly from the interface</li> <li>• Supports MIG welding process</li> </ul>	<ul style="list-style-type: none"> <li>• Easy Teach Device programming flange</li> <li>• Advanced welding capabilities with Arc Ware Standard software add-on: fine-tuning of welding parameters (e.g., speed, torch angles, and weld paths) directly from the interface</li> <li>• Supports MIG welding process</li> </ul>
<b>Other Essentials</b>	<ul style="list-style-type: none"> <li>• Start Button, Arc Switch and Emergency Stop modules</li> <li>• Retrofit kits for Lincoln, Miller and Euro Power Sources</li> </ul>	<ul style="list-style-type: none"> <li>• Robot protection sleeve for J4, J5, J6</li> <li>• Complete weld packages from Miller and Fronius (Torch, Power Source and Wire Feeder)</li> </ul>
<b>Welding Table Top</b>	<ul style="list-style-type: none"> <li>• Nitrided, heat treated, tabletop</li> <li>• Weld splatter, rust and scratch resistant</li> <li>• Robot connector and insulator plate</li> <li>• Compatible with all 16 mm or 5/8" components and modular fixturing kits</li> <li>• Dimensions: 1200 mm x 750 mm / 48" x 30"</li> <li>• Grid Pattern: 50 mm x 50 mm / 2" x 2"</li> </ul>	
<b>Enclosure Panels</b>	<ul style="list-style-type: none"> <li>• Tinted, transparent, polycarbonate Tuffak® weld curtain panels</li> <li>• Splatter resistant, UV filtering to transmit 5% of visible light to ensure operator safety as per AWS F2.3M:2011</li> <li>• Rated for impacts, absorbing 64 joules of energy in a ASTM D 3763 instrumented test</li> <li>• Mounting hardware to attach to Vention extrusion frame included</li> </ul>	

## Why Choose Vention

**25+**

Industries served

**4,000+**

Factories using Vention

**18,000+**

Machines in the field

[vention.com](https://vention.com)