

## Source Capture for Robotic Welding Fumes

**Now, you can control robotic weld fumes at the source, with high-efficiency robotic tip extraction.**

RoboVent FlexTrac™ is the perfect solution for many robotic welding applications where hooded enclosures are not practical. The FlexTrac tip extraction hood collects the majority of weld fumes as they are created, reducing the need for large ventilation or ambient filtration systems.



### How it Works

The RoboVent FlexTrac can be attached to most robotic MIG welders. The extraction tip is custom sized and fitted to the robot for optimal fume capture and to ensure that the extraction tip does not interfere with the robot's movement and weld seam quality.

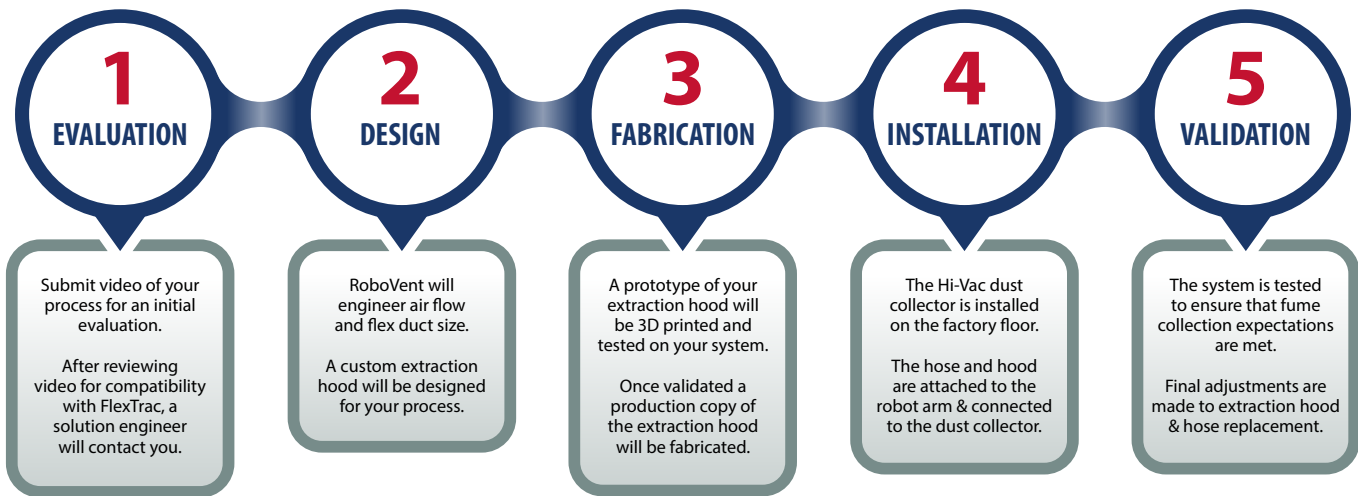
- The extraction tip is positioned right behind the weld torch on the robot arm.
- A custom bracket holds the tip in the correct position.
- A lightweight, flexible hose is attached to the robot arm and connected to the extraction tip.
- The FlexTrac is attached to a high-vacuum (hi-vac) dust collector.

### FlexTrac Features

- A Effective**  
FlexTrac captures 80-95% of robotic weld fumes as they are created.
- B Energy Efficient**  
Collecting fumes at the source allows you to use a smaller, more efficient dust collector—saving money and energy.
- C Customized**  
FlexTrac is customized for your robot and processes to deliver a solution that is safe, effective and won't interfere with production.
- D Flexible**  
FlexTrac works well for robotic welding of large components, processes requiring cranes or other overhead equipment, and other applications that cannot be easily enclosed.

## The FlexTrac Engineering Process

FlexTrac is not a one-size-fits-all solution. The FlexTrac hose and tip extraction hood must be custom designed and fitted for your application. Your RoboVent Solutions Engineer will work with you to evaluate your processes and design a FlexTrac system for your robot.



[Click here to find out if the FlexTrac is right for you by taking this short quiz.](#)

## Now select a proper dust collector



The RoboVent FlexPro™ Hi-Vac smoke-collection system is a versatile, simple and powerful solution for welding smoke extraction. FlexPro collects fumes right at the source. It's the perfect companion to the RoboVent Extractor, or other manual and robotic welding applications. The FlexPro Hi-Vac air filtration system can handle up to 4 robots.

**Filter Cartridges:** (1) EX-14D26-A15-SF  
**Media Area:** 256 sq. ft.  
**Weight:** 565 lbs.  
**Regenerative Blower:** 4HP Single Stage K06-MS  
**Maximum Vacuum:** -76in WG  
**Intake:** 3-inch Diameter Air Inlet



The RoboVent ProCube is designed with high-vacuum filtration power for high-production welding environments in a compact size. It is portable and powerful. But also quiet, outputting just 68 decibels making it one of the quietest hi-vacuum units on the market.

**Weight:** 210lbs  
**Dimensions:** 42" X 24" X 16.5"  
**Filter Cartridges:** (1) EX3-11D22-B16  
**Comparable Media Area:** 220 sq. ft. (20.4 sq.m)  
**Regenerative Blower:** 3HP (2.24 kW)  
Single Stage K04-MS  
**Maximum Vacuum:** 100in WG (25.0 kPa)