

Smooth Robotics



Introducing **SmoothTool**

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www.smooth-robotics.com

Who is Smooth Robotics?

Smooth Robotics helps you deliver your best work by putting you in charge of the automated welding process.

Founded in 2017, we have our roots in Odense, Northern Europe's largest high-tech hub and the home of Denmark's cluster for robotics, automation and drones – of which we are an active member.

Smooth Robotics develops software that not only operates efficiently but also with a certain meticulousness that is needed in welding.

With our unique software, you will get optimal quality, the best precision, minimal changeover time and maximum return on your investment.



4 years
in the market

7
full time employees

10+
countries

300+
cobots running our software

What is SmoothTool?

SmoothTool is a user-friendly cobot welding kit for Universal Robots CB and e-series robots arms. It consists of both a software and a hardware component.

SmoothTool makes all kinds of welding tasks possible and easy to program.

- ✓ **User-friendly interface:** Intuitive No-code programming
- ✓ **Programming Flange:** Use the Programming Flange to show your robot how you want the job done.
- ✓ **Power Source independent:** Use your preferred power source

What can SmoothTool do?

With a program structure that ensures high flexibility, it is very easy to add weaving patterns, offset items or stitch weld.

The software is compatible with both CB and e-series, and all features are working for both robot types. SmoothTool does even have a 3D visualization of the actual path, so you can easily verify your welding path before welding.

The SmoothTool welding software offers full integration with several robotic welding power sources from leading brands like Fronius, ESAB and Kemppi.

Furthermore, SmoothTool offers integration with all other power sources, manual or robotic, through Digital I/O or Call-back function.

✔ **Offset welding:** Copy and offset items in X, Y, Z direction.

✔ **Weaving:** Add weaving patterns to both linear and circular paths.

✔ **Stitch welding:** Control your stitch weld with parameters.

✔ **Power source independent:** Use your preferred power source

✔ **3D Viewer:** Get a quick overview of your welding program in 3d.

✔ **UR+ certified:** SmoothTool is tested and approved by Universal Robots.



Who can benefit from cobot welding?

Cobot welding has many benefits compared to traditional manual welding and is attractive for companies that look to increase productivity, consistency, and welder safety.

The welding industry is currently facing many challenges. Supply chains are broken, and the trend is now insourcing instead of outsourcing.

However, the shortage of skilled welders is making it difficult for companies to increase their production to meet the demand.

Companies like Vattholma Mekano AB in Sweden are embracing robotic automation and see cobot welding as the solution to the industry's current and future challenges.



Sven-Ingvar Björck
Vattholma Mekano AB
Uppsala, Sweden

“It's very difficult to find skilled welders and a lot of our work is actual weld time, so that's why we bought the robot.

SmoothTool makes programming the robot easy and that's what made it the right fit for us. It's still new to us, but we already have minimum 20-30% in time savings on the welding jobs.

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What's included in your SmoothTool subscription?



✓ **SmoothTool License:** The USB license dongle is locked to the robot and must be valid to run SmoothTool.

✓ **Programming Flange:** The flange lets you move the robot in freedrive and add points by using the 3 buttons.

✓ **Software Updates:** Full access to the newest software updates with improvements and new features.

✓ **Support:** Access to technical support from your local integrator who is already familiar with your setup.

✓ **All features:** Full access to all the available features - no extra fees to unlock advanced features.

✓ **Full Flexibility:** SmoothTool allows you to use your preferred power source - manual or automatic.