We make robotic welding easy
Smooth
Robotics

What does Smooth Robotics do?

- We make robot welding as easy as using an iPhone
- We enable the welder to handle the welding robot without help from others
- We speed up the welding process by reducing changeover time dramatically
- We ensure that you get the most out of your robotic welding investment

Who is Smooth Robotics?

- Spin out from University of Southern Denmark
- Have been in the market since 2019 in collaboration with welding operators
- Launched SmoothTool in 2020
- UR+ certified in 2020
- Distributors in Europe and Asia

UNIVERSAL ROBOTS+
Certified

Benefits of automated welding

- 100% consistent weld quality
- Weld around the clock – weld quality is ensured
- Skilled welders can use time to attend other more valuable tasks
- Production stability increases. A welding robot never resigns - get sick - or needs vacation
- The ability to weld without unpredicted stops and without quality issues is of great value when deadlines are tight
- You get more work done in shorter time and is it easier to estimate total welding time

Barriers – Why do some companies hesitate to automate welding?

- Unfamiliarity with robotic welding technology – Many welders wish to remain in the comfort zone of manual welding
- Programming - is time consuming and requires specialist expertise
- Price tag of the investment
- Footprint in the production hall is limited

A unique path generation add-on for welders

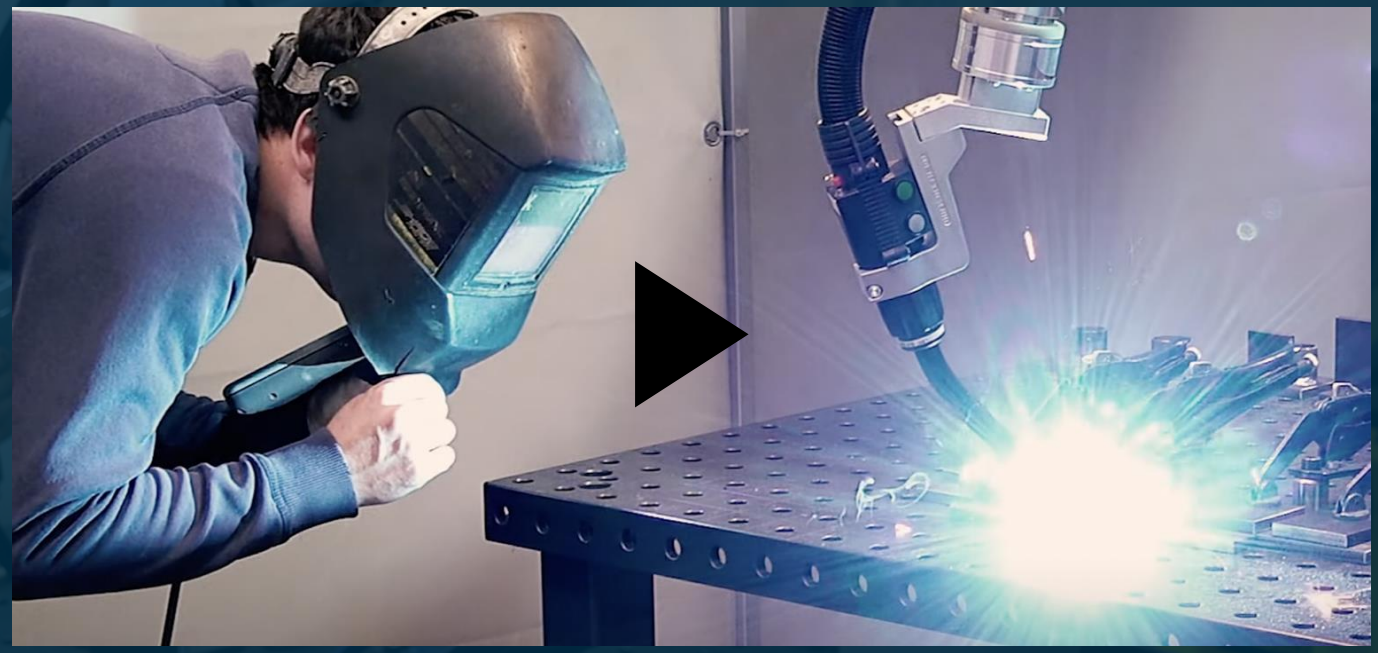
- Easy to install
- Low cost to purchase

Suddenly anybody can operate a welding robot

- Intuitive
- No programming
- 80% faster changeover time
- Compatible with all UR robots

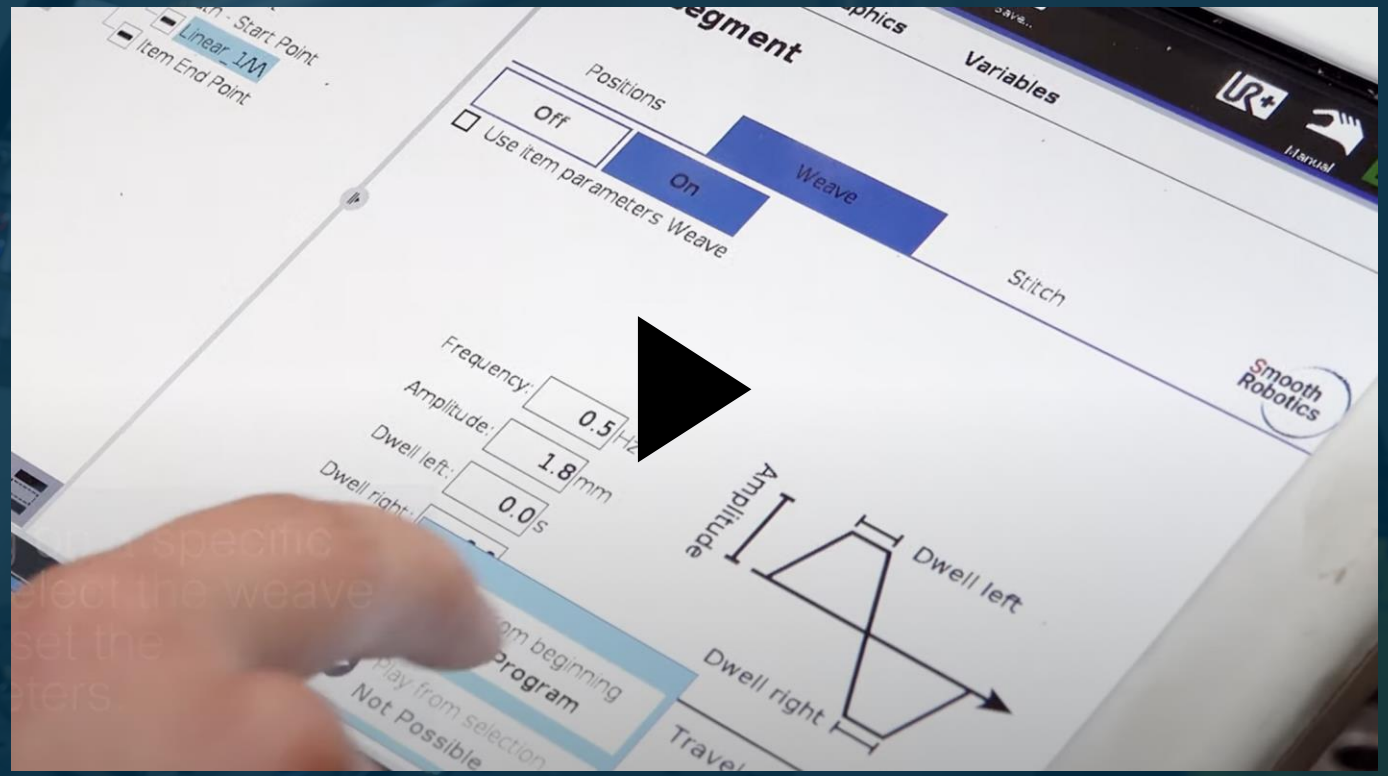
Simple instruction of linear or circular paths

Linear and circular paths are selected and defined by moving the robot arm to your points of choice and locking them with the buttons on the flange



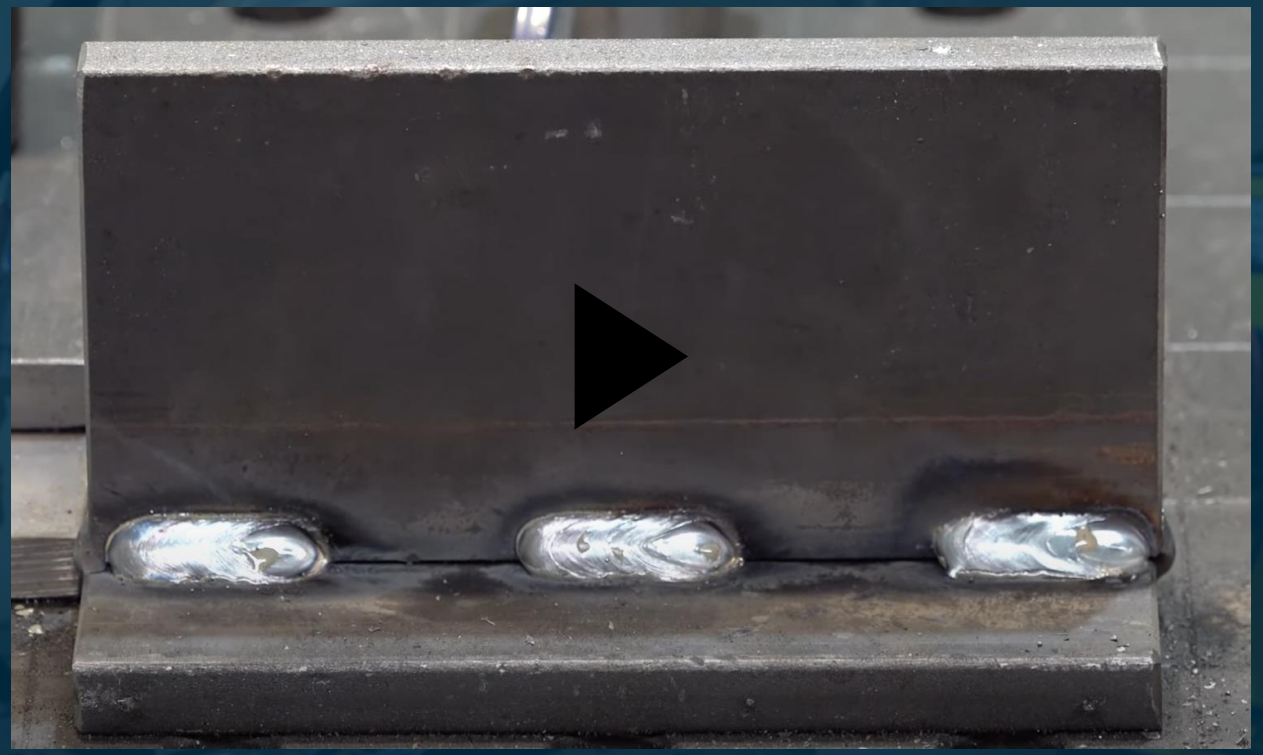
Weaving within a few steps

Simply set your start and end point - and define your weaving pattern



Stitching

Linear and circular paths are instructed with a few clicks by using the buttons on the flange



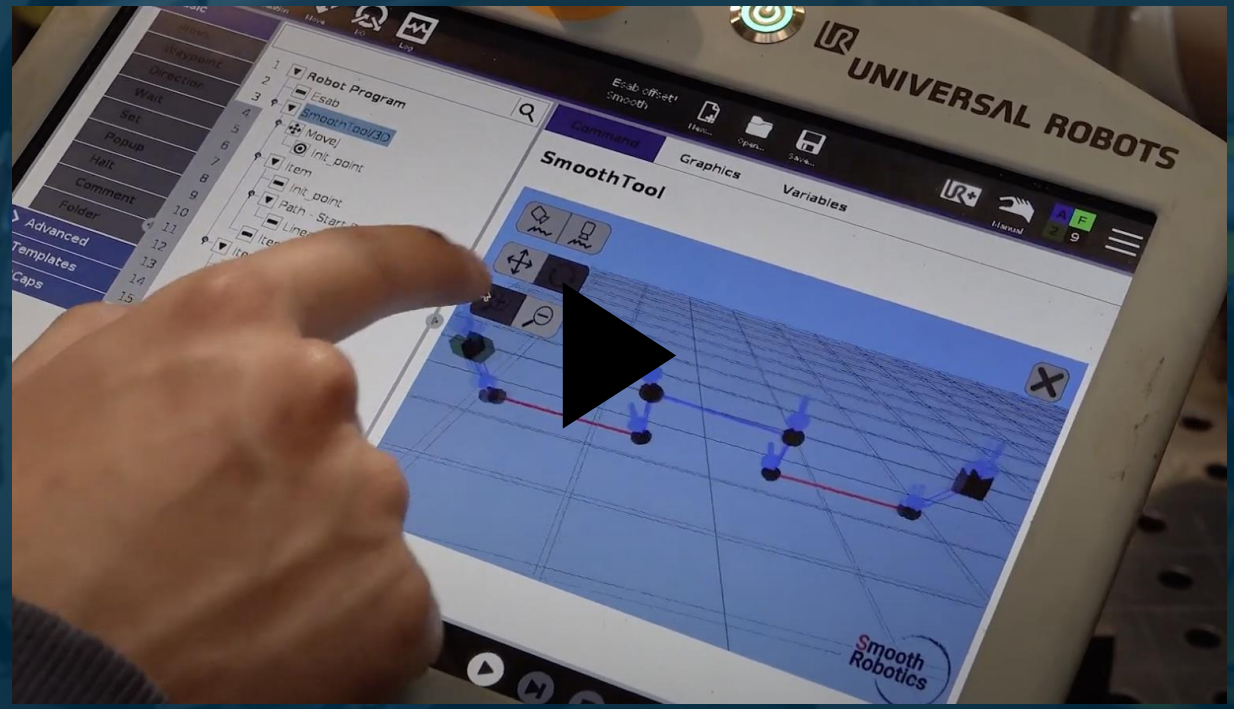
Just make a copy - or several……..

With the offset function, you can replicate welding items within seconds.

Review your paths in 3D before welding

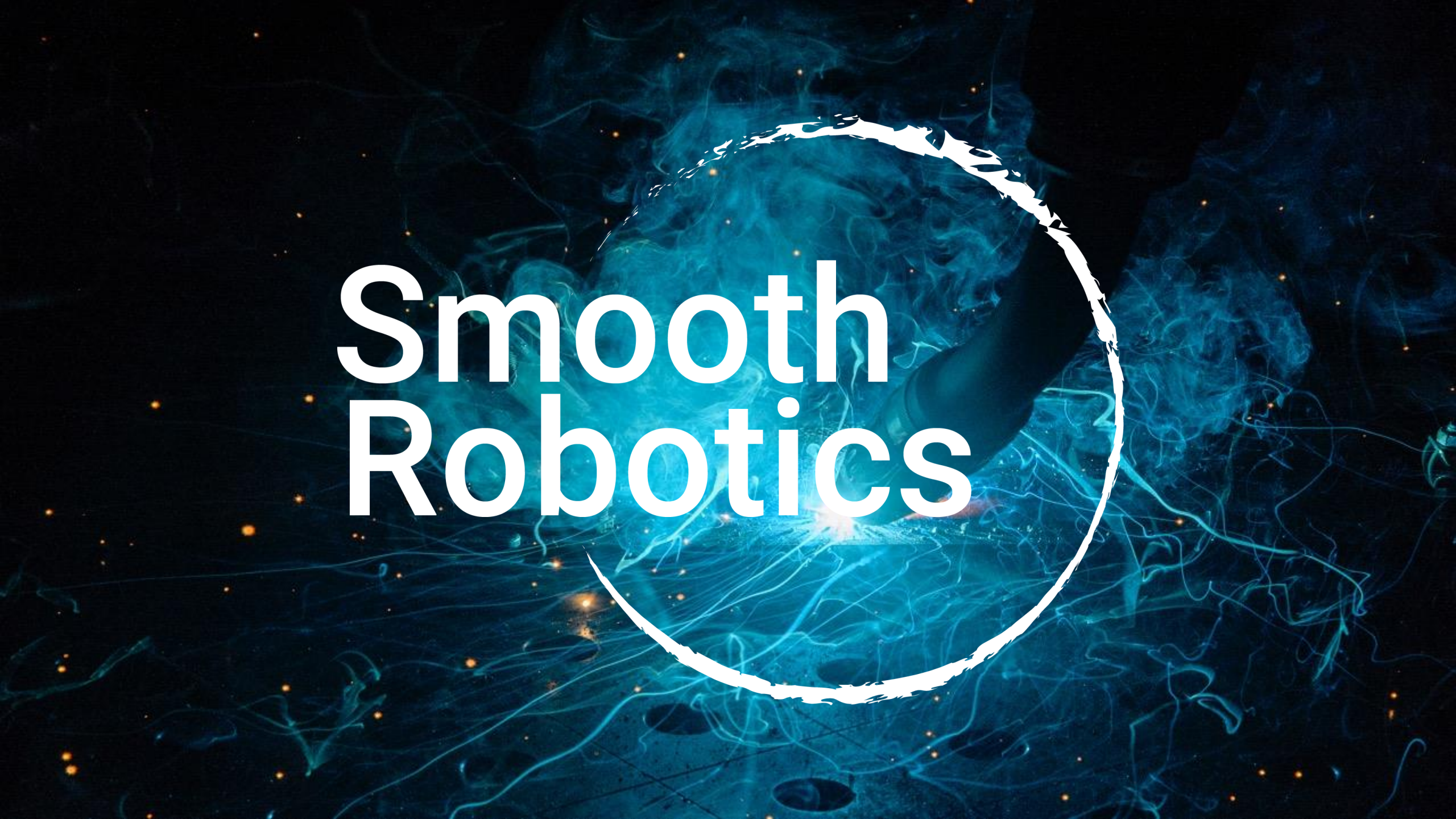
Not sure about your robot path!!!

With SmoothTool 3D advanced viewer you will always be comfortable before you start welding



Flexible integration

You can setup up you automated welding installation with the power source of your choice.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