



**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



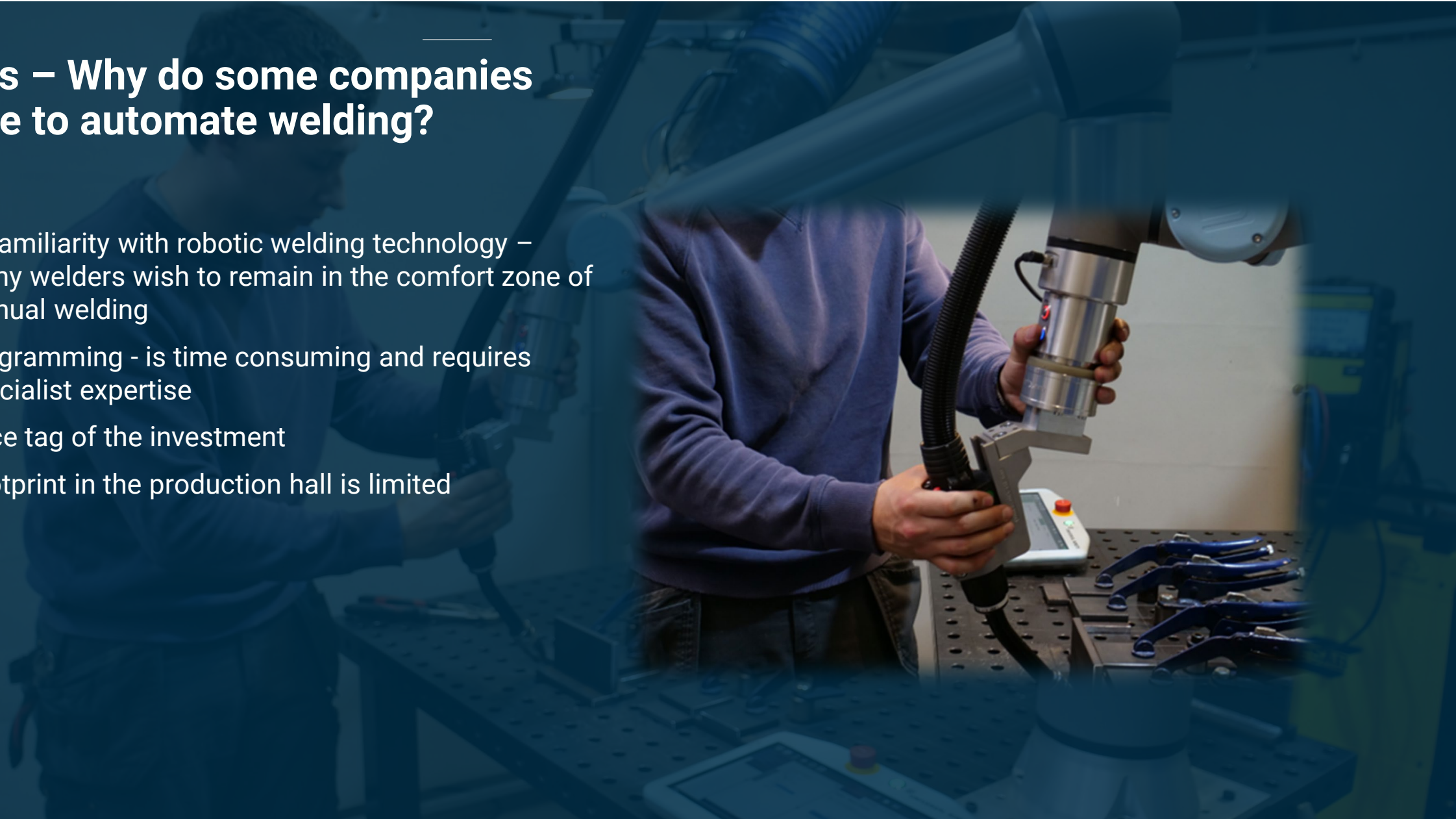
## Benefits of automated welding

- 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

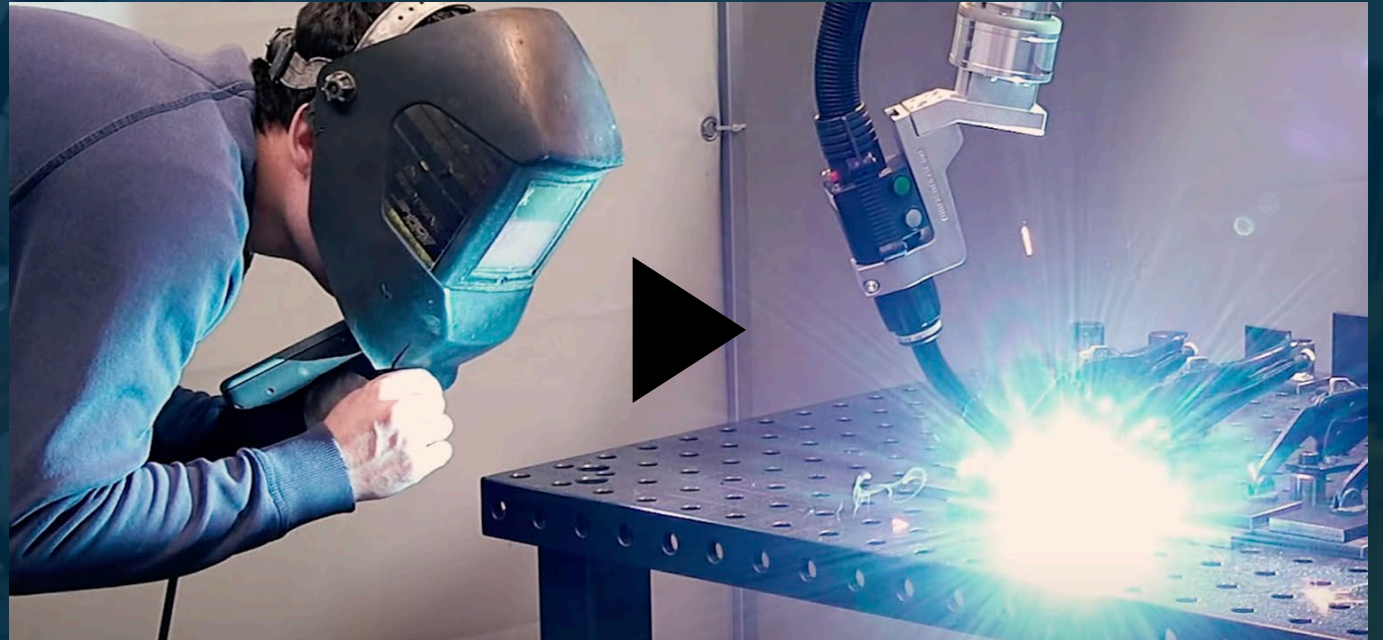
- Intuitive
- No programming
- 80% faster changeover time
- Compatible with all UR robots





## Simple instruction of linear or circular paths

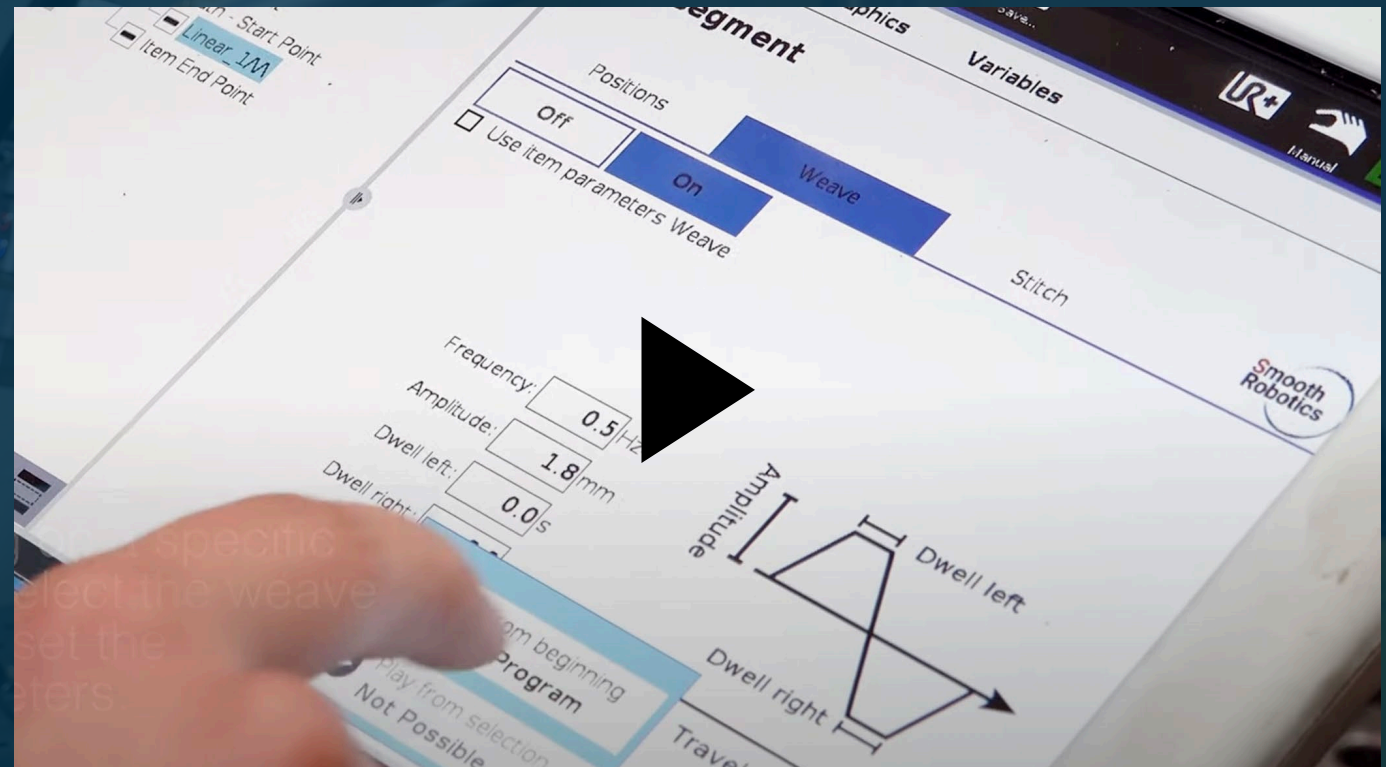
Linear and circular paths are selected and defined by moving the robot arm to your points of choice and locking them with the buttons on the flange





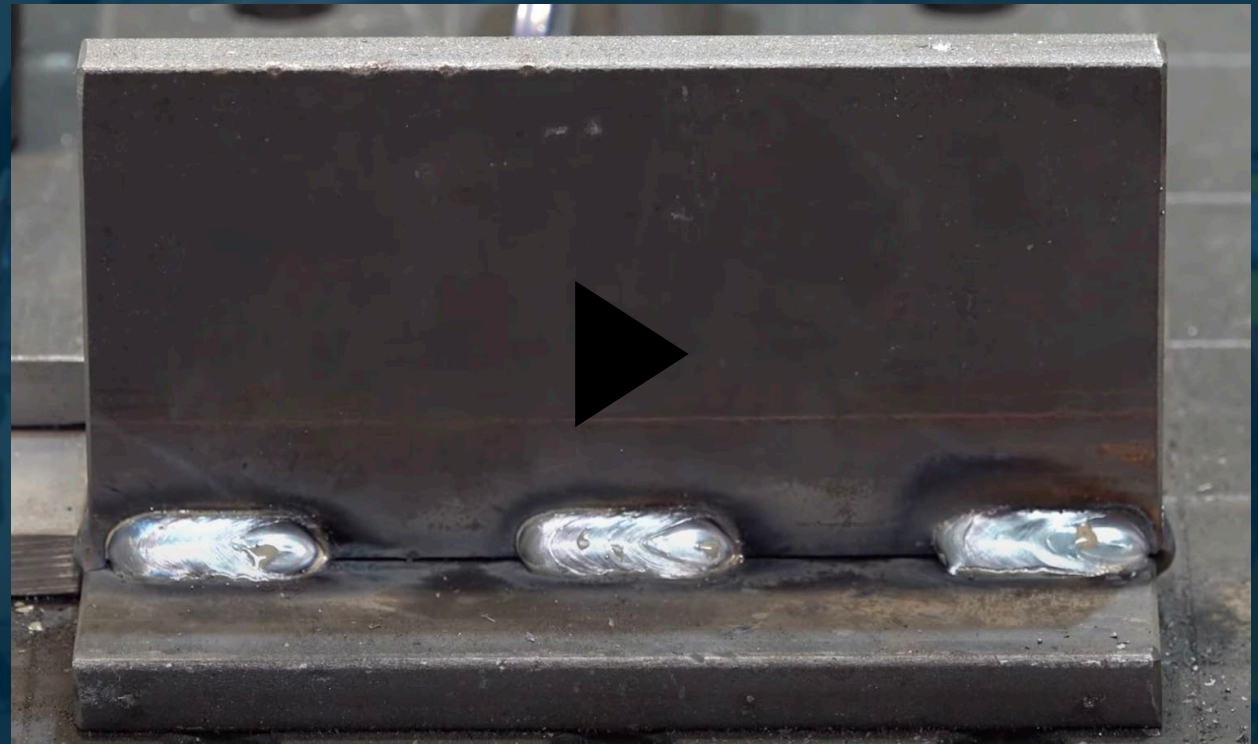
## Weaving within a few steps

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.....

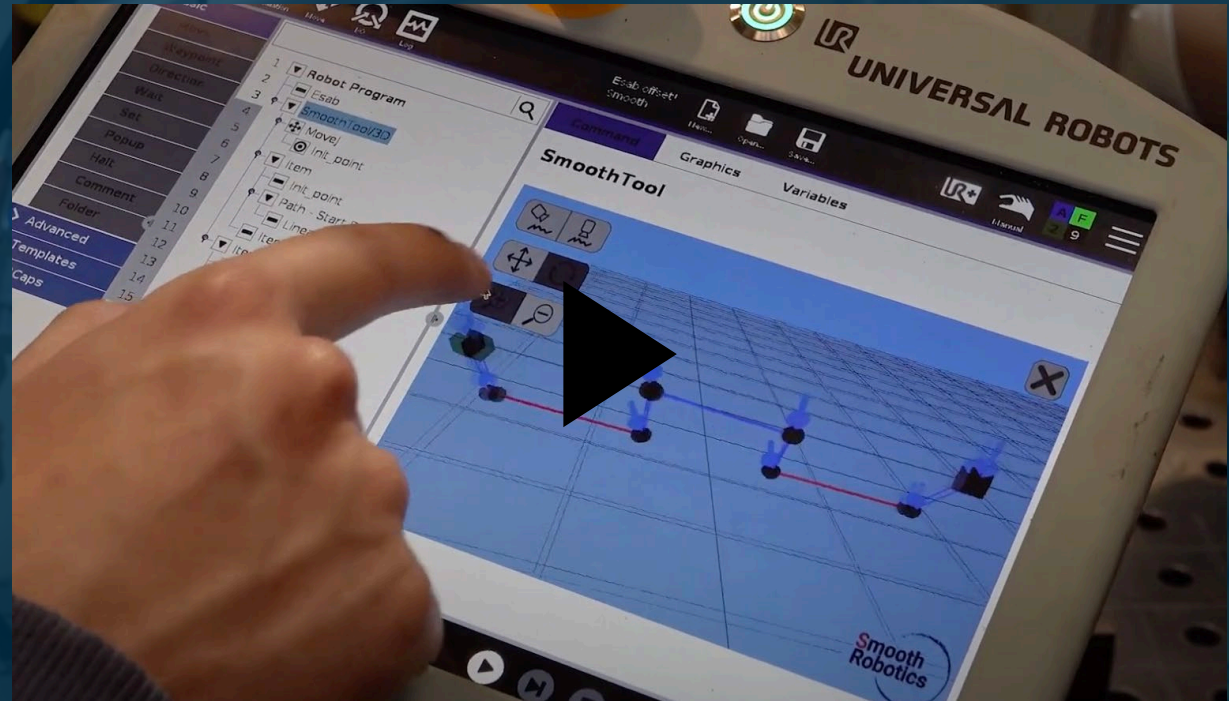
With the offset function, you can replicate welding items within seconds.



## 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





The background is a dark, textured space filled with a complex network of glowing blue lines that resemble neural connections or data pathways. Scattered throughout are numerous small, bright orange-yellow dots, some of which are slightly blurred, giving a sense of depth and motion. In the center-right, a dark, sleek robotic arm extends from the right edge, its end reaching into a large, glowing blue sphere. This sphere has a bright, white-yellow core and is surrounded by a thick, white, hand-drawn circular outline. The overall aesthetic is futuristic and technological.

# Smooth Robotics