ROBOTICS, REVOLUTIONISED

UNLOCK THE QUALITY AND FLEXIBILITY OF ROBOTIC WELDING

Industrial robots are excellent tools for welding automation — they are fast, repeatable and flexible. However, conventional programming can be costly and time-consuming. This makes them unviable for many tasks, especially high-mix low-volume manufacturing.

Verbotics solves this problem using smart, innovative software that automatically generates robotic welding programs directly from CAD information. Our intelligent algorithms eliminate the time and effort needed to program your robots, so they spend more time welding, even for one-off production.

REVOLUTIONISED ROBOT PROGRAMMING; IMPROVED MANUFACTURING

- Eliminate the need for costly manual programming.
- Improve welding quality and consistency.
- Specify weld process information quickly.
- Use robotic welding without expensive programming.
- Sense and adjust for errors in part placement automatically.
- Create full simulations of every weld.
- Export detailed cycle time reports.
- Program both simple and complex welding systems.

POWERFUL, SIMPLE-TO-USE ROBOT PROGRAMMING SOFTWARE

Verbotics Weld is the result of decades of research and development packaged into an intuitive desktop application. Successfully used by low-volume and high-mix fabrication companies worldwide, you simply tell it how you want to weld, and it does everything for you automatically.

VERBOTICS WELD APP FEATURES

AUTOMATIC PLANNING

Allow our automatic planning algorithms to determine the best way for your robot to perform each weld. Solves for collision, singularity, and joint limits and handles gantries, tracks, workpiece positioners all with coordinated motions.

WELD IDENTIFICATION

No need to define welds in your CAD model. Our software includes single click weld identification to determine the weld paths directly from the imported model. It handles complex geometry including complex 3D curves.

SEAM FINDING

Automatic wire or laser sensing is included to account for differences between the 3D CAD model and the real-world part. Our software will choose the best location for sensing actions, and then generate the required robot code to perform seam finding online.

ROBOT CODE GENERATION

Once your welds have been planned, click the Generate Program button to create a working robot program you can send to your robot controller. We support ABB, FANUC, Yaskawa Motoman, KUKA and Universal Robots.