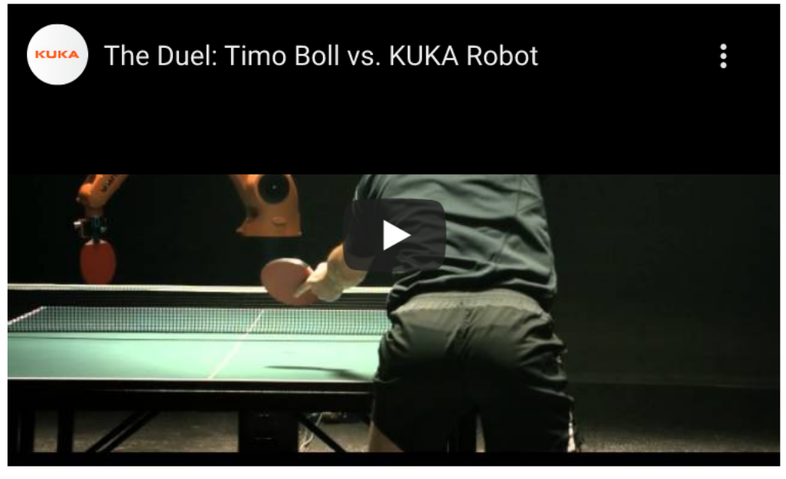
Robotic Automation



Hard Automation

Everybody who is anybody needs automation. You need to automate a process, a mechanism, a system or your entire production line. One can automate mechanical, electrical, electronic, instrumentation or all of these systems and processes with minimal expenses. From low cost applications to high end advanced fully automatic robotic systems. Automation simply means elimination of manual skill (either partly or fully) for any or all of the four below :

- Improved productivity
- Consistent quality
- Reduced downtime
- Limiting the dependence on manual labour
- You could be looking for hard automation (regular automation) or robotic automation. Either which way, there is a solution that really works. Question is how effectively can a solution provider give you the solution and whether it really works for you? Fill in some basic details at the bottom of this page and find out how our team of experts can help you out.

Robotic Solutions

Robot welding is the use of mechanized programmable tools (robots), which completely automate a welding process by both performing the weld and handling the part. Processes such as gas metal arc welding, while often automated, are not necessarily equivalent to robot welding, since a human operator sometimes prepares the materials to be welded. Robot welding is commonly used for resistance spot welding and arc welding in high production applications, such as the automotive industry. This arm is now extended to multiple applications from high productive environments to limited narrow gap pressure vessel applications combined with vision graphic systems. The technology of signature image processing has been developed since the late 1990s for analyzing electrical data in real time collected from automated, robotic welding, thus enabling the optimization of welds.