



Robotic Arc Welding Application Cell

Arc welding utilizes an electric arc between an electrode and a metal base using either consumable or non-consumable electrodes. MIG welding is one of the most popular forms of welding in industrial applications and is an easy process to integrate to a robot system. Robotic Metal Inert Gas (MIG) welding, also known as Gas Metal Arc Welding (GMAW), is a common high deposition rate process that involves feeding a wire continuously toward the heated weld tip. It is considered a semi-automatic welding process. Robotic welding maximum productivity and optimal welding quality – with the lowest operating costs and simplest operator control.

Robot Specification

Model	: KUKA KR 5
Rated Payload	: 5 Kg
Maximum reach	: 1400 mm
Repeatability	: ± 0.10 mm
Controller	: C4

Power Source Specification

Make	: Lorch
Model	: Robo Micro Mig
Supply	: 3-Phase
Welding Range	: 06-25 Amp
Wire Feed	: 0.8-1.2 mm
Protection Class	: IP23S

