

Robot Specification

Model : KUKA KR 5 Arc

Rated Payload : 5 Kg

: 1400 mm Maximum reach

Repeatability $: \pm 0.10 \, \text{mm}$

Controller : C4

Machine Specification

Make : Fronius

TPSi 400i LSC Adv Model

Supply : 3-Phase Current Range : 3-400 A Operation Voltage : 14.2-34.0 V

Open-Circuit Voltage: 73 V



providing relative positioning of the heat source and the work-piece.

In theory, automated series production delivers defined quality, defined process times and defined costs. In reality however, there is a multitude of influencing factors that can impact on the overall profitability of the production operation. Operating faults, variations in the quality of the material or the effects of thermal deformation during the welding process. If a fault is not rectified immediately, the robot will reproduce it all along the assembly line.

Robotics TPS/i welding cell, we not only make the welding process considerably quicker than ever before, but also enhances the weld seam quality. One of the visible improvements is the minimal amount of spatter produced. As a result, robotic welding processes offer unsurpassed quality, highest efficiency, maximum reliability, attractive alternative solutions to traditional manual operation and hard automation.