



AKGEC-Fronius

**ADVANCE WELDING TECHNOLOGY
AND RESEARCH CENTRE**

Virtual Welding System



The Virtual Welding System simulates the real welding conditions virtually, making it possible to learn and enhance welding skills inexpensively while mitigating the risk and hazards of real welding for a new trainee. Apart from developing the motor skills and eye hand coordination, required for welding, with the help of advanced sensors coupled with real time feedback controls, the Virtual Welding Systems are equipped with various additional features such as: possibility to create individual course and curriculum, the trainer can tailor the assignments given to trainees so that they exactly match these requirements. It is also used for assessment of the skills, knowledge of the trainees and tracking their learning progression. The playback function gives an option to learn from own mistakes to the trainees. Moreover, it comes with the option of training on SMAW & GMAW processes in all possible positions and joint configurations.

Machine Specification

Sensor Type : Magnetic
Dimensions : 62.8 x 190 x 60.8 cm
(W x H x L)

Weight : 92.17 kg
Power consumption: 1.2 A
Mains voltage : 110 V – 230 V 50/60 Hz