

## AVAILABLE TECHNOLOGIES

- Virtual Welding Simulator
- Shielded Metal Arc Welding
- Gas Metal Arc Welding
- Gas Tungsten Arc Welding
- Non-Destructive Testing
- Gas Welding / Brazing / Cutting
- Robotic Welding
- CNC Plasma Cutting

## THE COURSES

Training & Certification Programs for Welders:

The Centre offers Welder training and certification programs for X/XII/ITI/Diploma candidates and working professionals in Shielded Metal Arc Welding (SMAW) / Gas Metal Arc Welding (GMAW) / Gas Tungsten Arc Welding (GTAW) / Oxy fuel Cutting, Welding & Brazing technologies on various ferrous / non-ferrous materials and welding positions. The duration of the program varies from 80 hours to 240 hours depending upon the desired process, material and welding position.

Training and Certification Programs for Welding Technicians / Supervisors / Technologists

Training and Certification courses are also offered by the Centre for Welding Technicians / Supervisors / Technologists. These courses have been designed for Diploma or ITI candidates having basic experience in welding. The duration varies from 40 to 200 hours depending on the level of experience and desired competency.

Certification Programs for Welding Engineers

These courses have been designed for B.E. /B.Tech (also pursuing) candidates to develop their skills in Welding Technology. These courses provide the trainees with all the knowledge & skills required to become a competent Welding Engineer as per the need of manufacturing and fabrication Industries. The duration of these varies from 40 to 240 hours depending upon the desired level of competency.

## CERTIFICATION

In order to meet the demand of industry for welding and inspection personnel, trained and certified to a level of competency commensurate with the requirements of any of the qualification & certification specification or codes, the Centre offers AKGEC-FRONIUS certification from the level of welders, technologist to welding engineers and inspectors.

Along with it, the Centre also proposes to offer ASNT, AWS, IIW-INDIA, CGSC, ASDC certifications to the trainees after their assessment as per the requirements of these bodies.

Welder certification as per ASME Section IX, AWS QC7, IIW – NWTCS, IS 817, IS 7310 & 7318, ISO 9606, EN 287, NSDC (ASDC & CGSC), TÜV Rheinland will also be offered.

## CONTACT INFORMATION

Advance Welding Technology & Research Centre  
**AKGEC SKILLS FOUNDATION**

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**AKGEC-Fronius**

**ADVANCE WELDING TECHNOLOGY  
AND RESEARCH CENTRE**



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## About AKGEC Skills Foundation

AKGEC Skills Foundation (ASF) is an initiative of AKGEC supported by National Skill Development Corporation, Ministry of Skill Development and Entrepreneurship, Government of India to promote industry oriented skills in young people to make them employable.



The AKGEC Skills Foundation, an ISO 9001 certified organization, offers courses at par with global didactic concepts, in line with National Occupational Standards (NOS) and Qualification Packs (QP). Its objective is to offer Skill development trainings through industry-institution collaboration to empower youths under Certification by nationally and internationally recognized Industries/Societies/ Industry Associations/ Sector Skill Councils etc.

AKGEC Skills has state of art training, prototyping, testing and measurement facilities in the field of Automation, Robotics and Manufacturing including Welding, Thermal/ Plasma Cutting and Destructive & Non Destructive Testing. These facilities are operational with active support from eminent Industry partners to meet the growing industry requirement of highly skilled manpower.

## About FRONIUS

Fronius is recognized as a technology leader in welding technology. Fronius is a competent partner to the international automotive industry and other metalworking industries where high quality is a major concern.



As world market leader for robot welding and technological leader worldwide for arc and resistance spot-welding, Fronius is known for intensive research and constant search for new and innovative solutions. It has 838 patents to its credit.

Fronius with nearly 4000 employees has four production sites in Austria, one in Czech Republic and one in USA with 90% export to more than 60 countries through its sales representatives and 24 international subsidiaries.

Fronius offers a wide range of mechanized welding systems from pre-developed standard components to complex system solutions specially matched to Industrial Applications from compact MMA welding machines, MIG/MAG and TIG applications to complex automated welding systems.

In order to provide perfect support for customers working in the field of welding in India, comprehensive product demonstration and services of high quality welding equipments, Fronius India Pvt. Ltd. was founded in June 2013 in Pune, Maharashtra.



## ADVANCE WELDING TRAINING AND RESEARCH CENTRE

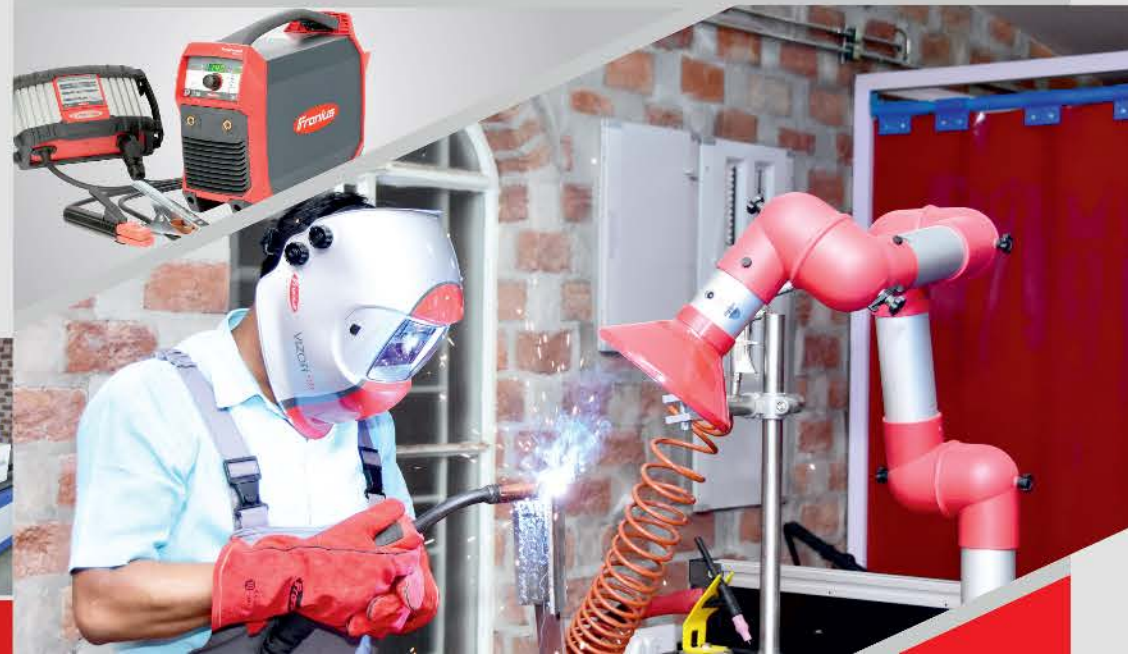
AKGEC Skills Foundation jointly with Fronius International GmbH has set up India's first "Advance Welding Technology and Research Centre (AWTRC)" in the state of Uttar Pradesh. AWTRC has state of art infrastructure to become a globally recognized source of a competitive workforce of welding professionals including welders, cutters, fitters, equipment operators and also engineers and inspectors.



The objective of this Centre is to promote advancements of cost-effective, superior-performing Welding, Thermal/ Plasma Cutting and Destructive & Non Destructive Testing technologies. The Centre facilitates weld trials, proof of concept for new welding processes and procedures and joint applied research projects with industries. The Centre is supported by professional organizations such as American Welding Society and Indian Institute of Welding for providing international certification in welding technology.

## INFRASTRUCTURE

The Centre has 25 state of art welding stations. All welding booths are duly connected with Central Gas manifold System for supply of shielding & Cutting/Welding Gases, Fume extraction system and EN certified welding strip curtains. The booths are also having Customizable Welding Trainer Tables, most suitable for effective learning of welding in all positions. Modular Welding Tables with modular fixture sets enable accurate positioning of work pieces.



The Centre has a dedicated Sample Preparation Area equipped with state of art Sample Preparation, Grinding and Gas Cutting/ Welding/ Brazing Stations. Adding, one more dimension to the cutting facility, an advanced CNC plasma cutting system has also been installed.

Destructive Testing facility is available for performing the strength, hardness, toughness and macro / micro testing of welds. Non Destructive Testing facilities includes Magnetic Particle Testing, Liquid Penetrant Testing, Ultrasonic Testing, Eddy Current Testing and X-Ray Film Interpretation of weld defects.