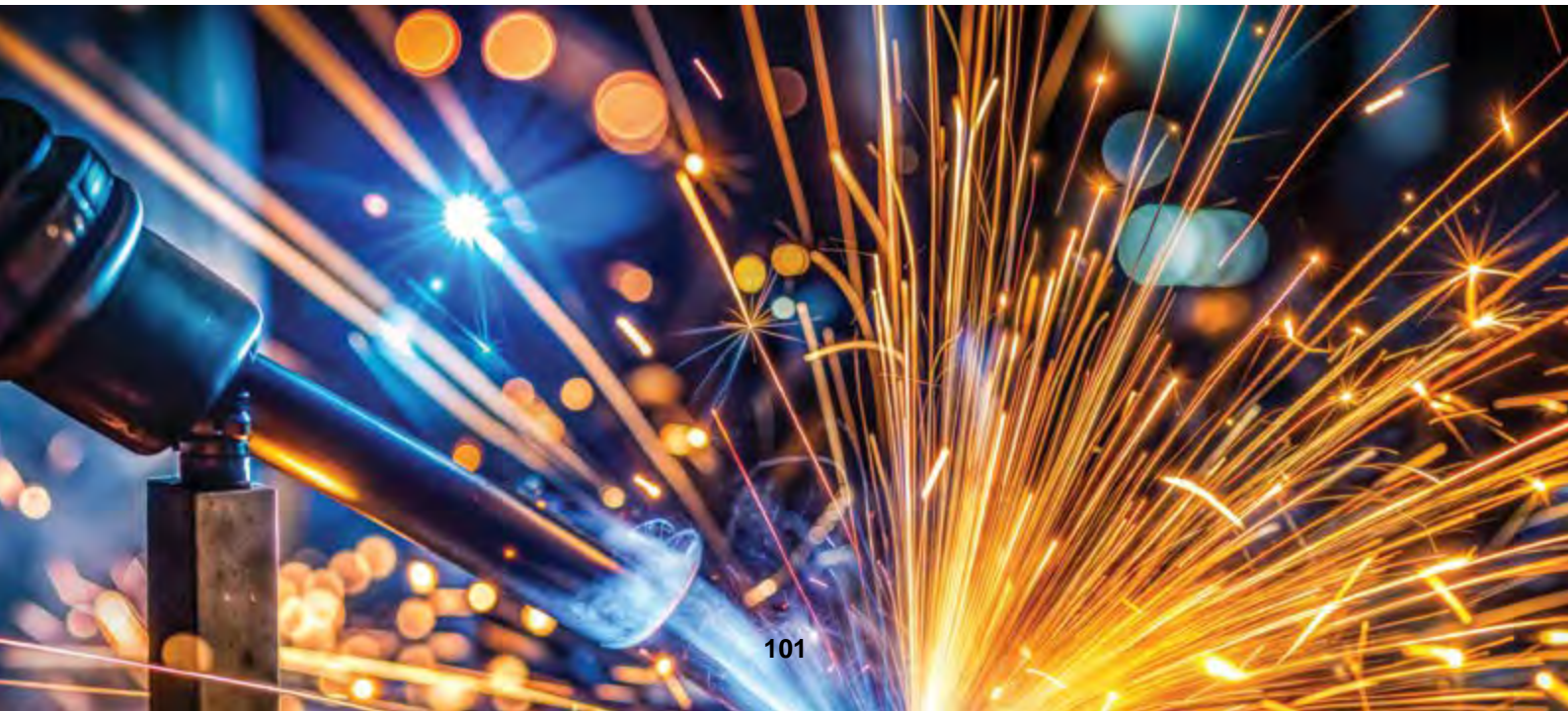


Ultrasonic Testing

The training course is based on general theory as well as sector specific applications relating, but not limited to, the following standards and specifications:

- ASME Boiler & Pressure Vessel Code - Section V - Subsection A - Article 1, 4 & 5
- ASME Boiler & Pressure Vessel Code - Section V - Subsection B - Article 23
- ISO 16810 UT – General Principles
- ISO 11666 UT – Acceptance Levels
- ISO 17640 UT – Techniques, Testing levels and assessment
- ISO 23279 UT – Characterisation of discontinuities in welds
- ISO 5577 UT – Vocabulary
- ISO 18175 UT – Performance characteristics (no electronic instruments)
- ISO 16827 UT – Characterisation and sizing of discontinuities
- ISO 16826 UT – Discontinuities perpendicular to the surface
- ISO 16811 UT – Sensitivity and range
- ISO 12710 UT – Evaluating electronic characteristics of UT instruments
- ISO 10375 UT – Characterisation of search unit and sound field
- ISO 7963 UT – Calibration block No 2
- ISO 4992 Parts 1 & 2 UT – Steel castings
- ISO 2400 UT – Calibration block No 1
- ISO 22232 Parts 1/3 UT – Equipment characterisation

Details of specific codes utilised in the limited (UT 1.WT) as well as derived or advanced techniques courses (UT 2.7; 2.8; 2.9; 2.10 and 2.11) can be found in the relevant training documents.



Ultrasonic Testing

ULTRASONIC TESTING - SAIW CERTIFICATION NDT SCHEME (ISO 9712) NON-DESTRUCTIVE TESTING - VOLUMETRIC METHODS													
NDT Method and Level	Industrial Sector	Product Sector / Category	Duration 1 day = 8 hours	Prices (Inclusive of VAT)			Course & Initial Exam Dates						
				Training & Initial Examination Non-Corporate Members	Training & Initial Examination Corporate Members	Initial Certification							
LIMITED Ultrasonic Testing Level 1 Limited – Wall Thickness	Pre- and in-service	Limited to wall thickness measurement using compression probe only	Training 4 days Exam 1 day	R 17 066	R 15 900	R 2 650	Course Code	UT 1 WT JHB 01	UT 1 WT JHB 02	UT 1 WT JHB 03	UT 1 WT JHB 04	UT 1 WT JHB 05	UT 1 WT JHB 06
							Training	26-29 Jan	23-26 Mar	01-04 Jun	27-30 Jul	07-10Sep	02-05 Nov
							Exam	30 Jan	27 Mar	05 Jun	31 Jul	11 Sep	06 Nov
Ultrasonic Testing Level 1	Pre- and in-service	UT 1.1 Wrought Product/ Forgings UT 1.2 Castings UT 1.3 Butt Welds in Plate UT 1.4 Butt Welds in Pipe	Training 12 days Exam 3 days	R 40 704	R 37 630	R 2 650	Course Code	UT 1 A JHB 01	UT 1 A JHB 02	UT 1 A JHB 03			
							Training	23 Feb-10 Mar	24Aug - 08 Sep	12-27 Oct			
							Exam	11-13 Mar	09-11 Sep	28-30 Oct			
Ultrasonic Testing Level 2	Pre- and in-service	UT 2.1 Wrought Product/ Forgings UT 2.2 Castings UT 2.3 Butt Welds in Plate UT 2.4 Butt Welds in Pipe UT 2.5 T-joints & other configurations UT 2.6 Nozzles	Training 12 days Exam 3 days	R 40 704	R 37 630	R 2 650	Course Code	UT 2 A JHB 01					
							Training	11 May - 27 May					
							Exam	28-29 May					
AD-VANCED	Pre- and in-service	UT 2.10 Ultrasonic Phased Array	Training 12 days Exam 5 days	R 44 202	R 40 916	R 2 650	Please refer to our website for updates relating to advanced / derived techniques.						
PLEASE NOTE: ADVANCED OPTIONS UT 2.8 - CRITICAL FLAW SIZING; UT 2.9 - AUSTENITIC STAINLESS STEEL AND UT 2.11 - TIME OF FLIGHT DIFFRACTION ARE AVAILABLE ON REQUEST AND SUBJECT TO DEMAND. [1] UT 2 A CERTIFICATION IS REQUIRED AS PREREQUISITE													

*Prices subject to change