

	KIT for Engineering Innovation Training Programs	Address: 8 Riyad Shams - 8th area - Nasr city Website: www.kit.egy.com Phone: 01012000780 – 01012000760 Email: info@kit-egy.com
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Course Title	Phased Array Ultrasonic Testing (UT-PA) Level II
Product Sector	C: Castings, T: Tubes, incl. fl at products for the manufacture of welded tubes and tubes, W: Welded Products , F: Forgings, WP: Rolled Products
Category	DIN EN ISO 9712 Non-Destructive Testing (NDT)
Course Number	KIT-ISO 259
Duration	5 Days
Certificate	Expert for Personnel of non-destructive testing according to DIN EN ISO 9712:2022-09 with TUV Rheinland Certified Qualification
Exams Elements	1- General Exam: 40 Questions (MCQ) 2- Specific Exam 2.1-Multi sectors 30 Questions (MCQ) 2.2-One Sector 20 Questions (MCQ) 3- Practical Exam: Shall passed for at least 2 specimens & reporting 4- Procedure Exam

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Day 1	Day 2	Day 3	Day 4	Day 5
Welcome, introduction, - organization, instruction, .qualification, certification	Review of the Fundamentals of UT Repeat of the previous day	Review of the Last Lecture of PAUT	Review of the Last Lecture of PAUT	Review of the Last Lecture
History of UT Development	Fundamentals of Phased Array Ultrasonic	Beam Shaping and Beam Steering Capabilities	Instrument Features and Digitization Principles	Equipment, Probe Performance Check
Brief Introduction and History of UT Development	.Phased Array Probes	Phased Array Scanning	Digitization Principles	Preparation a test instruction according to the task
Preform Ultrasonic Testing, Interpreting and Evaluating .obtained results	Beam Shaping	Phased Array Weld Examination - Selection of Parameters	Data Analysis	:Internship Testing according to various standards – weld seams / macro sections
Preparation of the Reports	Beam Steering Capabilities	Data View and Display	Phased Arrays Code Compliance	Internship: Testing according to various standards – weld seams / fracture surfaces