Hellenic Accreditation System

Annex F1/4 to the Certificate No. 1285

SCOPE of ACCREDITATION

of the

Laboratory

of the

SpectrumNDT – I.Dimoulis Co. Ltd.

Materials / Products to be tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Non destructive tests		
Metallic Materials / Welds, Casting, Forgings	1. Magnetic particle testing by the use of portable electromagnetic equipment (yoke). Examination for surface discontinuities	EN ISO 17638: 2016 Non-destructive examination of welds – Magnetic particle testing of welds ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 7: Magnetic particle examination EN 10228-1: 2016 Non-destructive testing of steel forgings – Part 1: Magnetic particle inspection EN 1369: 2012 Founding – Magnetic particle inspection
Metallic Materials / Welds, Casting, Forgings	2. Liquid penetrant testing Examination for surface discontinuities	EN 10228-2: 2016 Non-destructive testing of steel forgings – Part 2: Penetrant testing ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 6: Liquid penetrant examination EN ISO 3452-1: 2021 Non-destructive testing – Penetrant testing – Part 1: General principles EN 1371-1: 2011 Founding – Liquid penetrant inspection – Part 1: Sand, gravity die and low pressure die castings

Materials / Products to be tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Metallic materials / Welds	3. Ultrasonic testing Examination for discontinuities on welds (conventional method)	ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 4: Ultrasonic examination methods for in-service inspection. Article 5: Ultrasonic examination methods for materials and fabrication EN ISO 17640:2018 Non-destructive testing of welds – Ultrasonic testing - Techniques, testing levels and assessment
	Phased Array Method	ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Articles 4 & 23: Ultrasonic examination methods EN ISO 13588: 2019 Non-destructive testing of welds. Ultrasonic testing. Use of automated passed array technology ASTM E2700-20 Standard practice for contact Ultrasonic Testing of welds using phased arrays
	Thickness measurement	EN ISO 16809: 2019 Non-destructive testing. Ultrasonic thickness measurement
Metallic Materials / Welds	4. Radiographic inspection	EN ISO 17636-1: 2022 Non-destructive testing of welds – Radiographic testing – Part 1: X- and gamma-ray techniques with films ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 2: Radiographic examination
Metallic Materials / Welds	5. Visual Examination	EN ISO 17637: 2016 Non-destructive testing of welds – Visual testing of fusion welded joints ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 9: Visual examination

Site of assessment: **Laboratory permanent premises, Efplias 49, Piraeus, Greece**
Approved signatories: **I.Dimoulis, Em.Manta, K.Mperketis**

This Scope of Accreditation replaces the previous one dated July 11th, 2025.
The Accreditation Certificate No. 1285 to ELOT EN ISO/IEC 17025:2017, is valid until 17.08.2026, according to ESYD decision.

Athens, February 16th, 2025

Konstantinou Evangelos Apostolos
CEO of ESYD