National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : MATRIX INSPECTION & ENGINEERING SERVICES PVT. LTD., PLOT NO. 3, KRISHANAGIRI MAIN ROAD, HOSUR, KRISHNAGIRI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7621 **Page No** 1 of 4

Validity 03/12/2022 to 02/12/2024 **Last Amended on** 23/12/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	Castings	Ultrasonic Testing (Contact Method)	ASME Sec V, Article 4, 5, 23 & ASTM A609 / A609M
2	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Bench Type) - Visible & Fluorescent	ASTM E 1444
3	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Bench Type) - Visible & Fluorescent	AWS D1.1
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Bench Type) - Visible & Fluorescent	BS EN1369
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous , Forging	Ultrasonic Testing	ASTM A745
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous (Aluminium) Materials, Casting	Radiography by Gammaray (Ir-192)	ASTM E1030
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-Ferrous Material	Ultrasonic Thickness	ASME Sec V, Article 23 & ASTM E797
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, bimetallic bearing	Ultrasonic Testing	ISO 4386 -1
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting	Radiography by X-Ray (KV-300)	ASTM E1030
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	ASTM E94
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	AWS D1.1
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	BS EN 12517-1
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	BS EN ISO 17636-1
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	BS EN12681-1
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by X-Ray (KV-300)	ASTM E94
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by X-Ray (KV-300)	AWS D1.1
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by X-Ray (KV-300)	BS EN ISO 17636-1

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Certificate Number TC-7621 **Page No** 2 of 4

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
18	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by X-Ray and Gamma Rays	ASME Sec V Article 2
19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding, Forging & Rolled products	Ultrasonic Testing	ASTM E 114
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding, Forging & Rolled products	Ultrasonic Testing	AWS D1.1
21	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Rolled products	Ultrasonic Testing	ASTM A435
22	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Non-ferrous Metals & Alloys	Liquid Penetrant Testing - Visible & Fluorescent	ASTM E1220
23	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Non-ferrous Metals & Alloys	Liquid Penetrant Testing - Visible & Fluorescent	ASTM E1417
24	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Non-ferrous Metals & Alloys	Liquid Penetrant Testing - Visible & Fluorescent	AWS D1.1
25	NON-DESTRUCTIVE-METALS & ALLOYS	Forging	Ultrasonic Testing (Contact Method)	ASME Sec V, Article 4, 5, 23 & ASTM A388 / A388M
26	NON-DESTRUCTIVE-METALS & ALLOYS	Forging, Casting, Weld Joint	Fluorescent, Non-Fluorescent, Yoke and Bench Type.	ASME Sec V (Art. 7 & 25), ASTM E 709
27	NON-DESTRUCTIVE-METALS & ALLOYS	Forging, Casting, Weld Joints	Penetrant Testing	ASME Sec V Article 6 & ASTM E165
28	NON-DESTRUCTIVE-METALS & ALLOYS	Non-ferrous Materials, Rolled products	Ultrasonic Testing	ASTM B548
29	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plate	Ultrasonic Testing (Contact Method)	ASME Sec V (Art.4,5, & 23), ASTM A435/A435M, ASTM A578/A578M
30	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plates	Ultrasonic Testing	ASTM A577
31	NON-DESTRUCTIVE-METALS & ALLOYS	Weld Joints	Ultrasonic Testing (Contact Method)	ASME Sec V (Art.4,5 & 23), ASTM E164

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Certificate Number TC-7621 **Page No** 3 of 4

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Site Facility				
1	NON-DESTRUCTIVE-METALS & ALLOYS	Castings	Ultrasonic Testing (Contact Method)	ASME Sec V, Article 4, 5, 23 & ASTM A609 / A609M
2	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Bench Type) - Visible & Fluorescent	ASTM E 1444
3	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Bench Type) - Visible & Fluorescent	AWSD1.1
4	NON-DESTRUCTIVE-METALS & ALLOYS	Ferromagnetic Materials	Magnetic Particle Testing (Yoke & Bench Type) - Visible & Fluorescent	BS EN1369
5	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous , Forging	Ultrasonic Testing	ASTM A745
6	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous (Aluminium) Materials, Casting	Radiography by Gammaray (Ir-192)	ASTM E1030
7	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-Ferrous Material	Ultrasonic Thickness	ASME Sec V, Article 23 & ASTM E797
8	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, bimetallic bearing	Ultrasonic Testing	ISO 4386 -1
9	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting	Radiography by X-Ray (KV-300)	ASTM E1030
10	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	ASTM E94
11	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	AWS D1.1
12	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	BS EN 12517-1
13	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	BS EN ISO 17636-1
14	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by Gammaray (Ir-192)	BS EN12681-1
15	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by X-Ray (KV-300)	ASTM E94
16	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by X-Ray (KV-300)	AWS D1.1
17	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding	Radiography by X-Ray (KV-300)	BS EN ISO 17636-1

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19	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous and Non-ferrous Materials, Casting, Valves, Welding, Forging & Rolled products	Ultrasonic Testing	ASTM E 114
20	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous Rolled products	Ultrasonic Testing	ASTM A435
21	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Non-ferrous Metals & Alloys	Liquid Penetrant Testing - Visible & Fluorescent	ASTM E1220
22	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Non-ferrous Metals & Alloys	Liquid Penetrant Testing - Visible & Fluorescent	ASTM E1417
23	NON-DESTRUCTIVE-METALS & ALLOYS	Ferrous, Non-ferrous Metals & Alloys	Liquid Penetrant Testing - Visible & Fluorescent	AWS D1.1
24	NON-DESTRUCTIVE-METALS & ALLOYS	Forging	Ultrasonic Testing (Contact Method)	ASME Sec V, Article 4, 5, 23 & ASTM A388 / A388M
25	NON-DESTRUCTIVE-METALS & ALLOYS	Forging, Casting, Weld Joint	Fluorescent, Non-Fluorescent, Yoke and Bench type Technique-	ASME Sec V (Art. 7 & 25), ASTM E 709
26	NON-DESTRUCTIVE-METALS & ALLOYS	Forging, Casting, Weld Joints	Penetrant Testing	ASME Sec V Article 6 & ASTM E165
27	NON-DESTRUCTIVE-METALS & ALLOYS	Non-ferrous Materials, Rolled products	Ultrasonic Testing	ASTM B548
28	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plate	Ultrasonic Testing	ASTM A577
29	NON-DESTRUCTIVE-METALS & ALLOYS	Steel Plate	Ultrasonic Testing (Contact Method)	ASME Sec V (Art.4,5, & 23), ASTM A435/A435M, ASTM A578/A578M
30	NON-DESTRUCTIVE-METALS & ALLOYS	Weld Joints	Ultrasonic Testing (Contact Method)	ASME Sec V (Art.4,5 & 23), ASTM E164