

Certificate of Accreditation



Castings Technology International Limited

Testing Laboratory No. 0144

**Is accredited in accordance with International Standard ISO/IEC 17025:2017
– General Requirements for the competence of testing and calibration
laboratories.**

This accreditation demonstrates technical competence for a defined scope specified in the schedule to this certificate, and the operation of a management system (refer joint ISO-ILAC-IAF Communiqué dated April 2017). The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued.

The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements.

A handwritten signature in black ink, appearing to read "Matt Gantley", is positioned above a horizontal line.

Matt Gantley, *Chief Executive Officer*
United Kingdom Accreditation Service

Initial Accreditation: 26 June 1982
Certificate Issued: 25 January 2024



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Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>0144 Accredited to ISO/IEC 17025:2017</p>	<h3>Castings Technology International Limited</h3> <p>Issue No: 071 Issue date: 22 December 2025</p>	
	<p>Advanced Manufacturing Park Brunel Way Rotherham South Yorkshire S60 5WG</p>	<p>Contact: Noor Chowdhury Tel: +44 (0)1142 158300 Fax: +44 (0)1142 880010 E-Mail: n.chowdhury@castingstechnology.com Website: www.castingstechnology.com</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
<p>Address Advanced Manufacturing Park Brunel Way Rotherham South Yorkshire S60 5WG</p>	<p>Local contact N Chowdhury Tel: +44 (0)114 2158300 Fax: +44 (0)114 2880010</p>	<p>SUPPORT FUNCTIONS: QUALITY SYSTEM QUALITY AUDIT ADMINISTRATION</p> <p>SAMPLING AND TESTING: ENGINEERING MATERIALS, MACHINERY, STRUCTURES & PRODUCTS METALS & WELDMENTS - CHEMICAL & PHYSICAL CARBON/ SULPHUR/ OXYGEN/ NITROGEN ELEMENTAL ANALYSIS METALLURGICAL</p> <p>TESTING: METALS & WELDMENTS NDT (Radiography / Visual / MPI / Dye Penetrant</p>	<p>A</p>



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS & WELDMENTS			
METALS and ALLOYS	<u>Metallography</u>		
Castings	Macrostructure examination	Documented In-House Method OP002	A
	Microstructure examination	Documented In-House Method OP003	A
	Volume fraction manual point count method	ASTM E562-19	A
	Inclusion or Second-Phase Constituent Content of Metals by Automatic Image Analysis	ASTM E1245-03(16)	A
	Non-metallic Inclusion content	BS 7926:1998 (2014)	A
Titanium Alloys	Alpha case determination (Microscopic Method)	BS EN 2003-009:2007 (Method A and Method B), Documented In-House Method OP056	A
Steel Castings	<u>Elemental Analysis</u>		
	Nitrogen, Oxygen and Hydrogen determination in Steels and Titanium	Documented In-House Method OP 040 using Eltra ONH 2000 inert gas fusion techniques	A
	Carbon determination in steels and Titanium alloys	Documented In-House Method OP 040 using Eltra CS 800 inert gas fusion techniques	A
Plain Carbon, Low Alloy and Stainless Steels Cast Irons	Fe, C, Si, Mn, P, S, Cr, Mo, Ni, Al, As, B, Ca, Co, Cu, Nb, Pb, Sb, Sn, Ta, Ti, V, W, Zn, Zr, N ₂	Documented In-House Method OP 040 using Spectro Max optical emission spectrometry techniques	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
METALS and ALLOYS (cont'd)	<u>Elemental Analysis (cont'd)</u>		
Titanium Base Alloys	Al, Cr, Cu, Fe, Mn, Mo, Nb, Ni, Si, Sn, Ti, V, Zr, C	Documented In-House Method OP 040 using Spectro Max OES techniques	A
METALS and ALLOYS Castings, Forgings and Weldments	<u>Non-Destructive Tests</u>		
	Radiography: X-ray up to 320keV	ASTM E94-17, ASTM E1742-18 Documented In-House Method OP 816	A
	Colour contrast dye penetrant	BS EN ISO 3452:2013 ASTM E1417-16 ASTM E165-18 Documented In-House Method OP 420	A
	Fluorescent dye penetrant	BS EN ISO 3452:2013 ASTM E1417-16 ASTM E165-18 Documented In-House Method OP 818	A
END			