



ASTAR NDT CONSULTANTS LIMITED

華陞檢測及顧問有限公司

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CLIENTELE : Public
服務對象 公眾



Scope of Accreditation
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地址

Main Laboratory : Flat 5, 9/F, Ming Fat Industrial Building, No. 1 Kin Fat Street, Tuen Mun,
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香港新界屯門建發街1號鳴發工業大廈9樓5室

Test Location : No. 5, Fuda 1 Road, Zhangmutou Town, Dongguan City, Guangdong Province, China
中國廣東省東莞市樟木頭富達一路富達工業區南宿第五棟

ACCREDITED TEST : Construction Materials
CATEGORY 建築材料

認可測試類別

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Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Paint & varnishes	Coating thickness measurement by magnetic induction gauge	BS EN ISO 2178: 1995 BS EN ISO 2808: 2007 (Method 12A)
	Coating thickness measurement by eddy current gauge	BS EN ISO 2360: 2003 BS EN ISO 2808: 2007 (Method 12B)
Metallic materials (non-destructive)	Ultrasonic test of metallic materials	BS 5996: 1993 BS EN 10160: 1999 BS EN 10306: 2002
Metallic materials & non-metallic materials (non-destructive)	Ultrasonic thickness measurement of metallic materials and non-metallic materials	BS EN 14127: 2011
Structural fixings (fixing components)	Tensile proof load test of anchor bolts, dowel bar, channel insert and embed plate in the force range 1 kN – 200 kN	BS 5080: Part 1: 1993 Cl. 7.1.1, 7.1.3 & 7.2 In-house method AS-TP-019 In-house method AS-TP-046
Welds (non-destructive)	Visual examination	ASME BPVC Sec V: 2017 Article 9 BS 5289: 1976 BS EN 970: 1997 BS EN ISO 17637: 2011 BS EN ISO 17637: 2016

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Welds (non-destructive) (cont'd)	Magnetic particle test	ASME BPVC Sec V: 2017 Article 7, Article 25 SE-709 (York techniques, visible and fluorescent particles using permanent magnets and A.C. yokes) ASTM E709-15 (York techniques, visible and fluorescent particles using permanent magnets and A.C. yokes) BS 6072: 1981 (Amd. 3960, 4542 and 4843) (magnetic flow method colour contrast technique using permanent magnets, A.C. yokes and D.C. yokes) BS EN 1290: 1998 (magnetic flow method colour contrast technique using permanent magnets, A.C. yokes and D.C. yokes) BS EN ISO 9934-1: 2001 (magnetic flow method colour contrast technique using permanent magnets, A.C. yokes and D.C. yokes) BS EN ISO 9934-1: 2016 (magnetic flow method colour contrast technique using permanent magnets, A.C. yokes and D.C. yokes) BS EN ISO 17638: 2009 (magnetic flow method colour contrast technique using permanent magnets, A.C. yokes and D.C. yokes) BS EN ISO 17638: 2016 (magnetic flow method colour contrast technique using permanent magnets, A.C. yokes and D.C. yokes)
	Ultrasonic test	ASME BPVC Sec V: 2017 Article 4, Article 23 SE-273 (Butt welds in plates and pipes, 'T' joint welds, nozzle welds and node welds) ASTM E273-15 (Butt welds in plates and pipes, 'T' joint welds, nozzle welds and node welds) BS 3923: Part 1: 1986 (Butt welds in plates and pipes, 'T' joint welds, nozzle welds and node welds) BS EN 1714: 1998 (Butt welds in plates and pipes, 'T' joint welds, nozzle welds and node welds) BS EN ISO 17640: 2010 (Butt welds in plates and pipes, 'T' joint welds, nozzle welds and node welds) BS EN ISO 17640: 2018 (Butt welds in plates and pipes, 'T' joint welds, nozzle welds and node welds)

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Welds (non-destructive) (cont'd)	Liquid penetrant test	ASME BPVC Sec V: 2017 Article 6, Article 24 SE-165 (Colour contrast and fluorescent methods, solvent removable) ASTM E165-12 (Colour contrast and fluorescent methods, solvent removable) BS 6443: 1984 (Amd. 4844) (color contrast method) BS EN 571-1: 1997 (color contrast method) BS EN ISO 3452-1: 2013 (color contrast method)
	Radiographic test	ASME BPVC Sec V: 2017 Article 2, Article 22 SE-94 (Gamma Ray & X-ray) ASTM E94-04 (2010) (Gamma Ray & X-ray) BS 2600: Part 1: 1983 (Gamma Ray & X-ray) BS 2910: 1986 (Gamma ray & X-ray) BS EN 1435: 1997 (Gamma Ray & X-ray) BS EN ISO 17636-1: 2013 (Gamma Ray & X-ray) (up to 300 kV)
Welds (destructive)	Bend test of shear stud	BS EN ISO 14555: 2017 Cl. 11.3 Buildings Department Code of Practice for Structural Use of Steel (2011) Cl. 14.3.7.3

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Welds (destructive)	Impact test on welds in metallic materials using V-notch test pieces	BS EN ISO 148-1: 2016 in conjunction with the following specification(s): BS EN ISO 9016: 2012
	Vickers hardness test on welds in metallic materials in the scale of HV5 to HV10	BS EN 6507-1: 2005 in conjunction with the following specification(s): BS EN ISO 9015-1: 2011
	Bend test on welds in metallic materials	BS EN ISO 5173: 2010 + A1: 2011
	Macroscopic examination of welds in metallic materials	BS EN ISO 17639: 2013 BS EN 1321: 1997
	Fracture test on welds in metallic materials	BS EN ISO 9017: 2013 BS EN 1320: 1997
	Transverse tensile test on welds in metallic materials in the force range of 0.2 kN to 2000 kN	BS EN ISO 6892-1 :2016 in conjunction with the following specification(s): BS EN ISO 4136: 2012