National Association of Testing Authorities, Australia

Scope of Accreditation

S G Prittie Precision Gauges Pty Ltd

Site

S G Prittie Precision Gauges Pty Ltd

S G Prittie Calibration Services Pty Ltd

Accreditation No.	Site No.	Date of Accreditation
419	412	10 May 1963

Address

21 King Street
Airport West, VIC 3042
Australia

prittie.com.au

Contact

Mr Jim Gordon
P: +61(03)83788888
jim@prittie.com.au

Availability

Services available to external clients

S G Prittie Precision Gauges Pty Ltd

ISO/IEC 17025 (2017)

Calibration

- The uncertainty of measurement is reported as an expanded uncertainty having a level of confidence of 95% unless stated otherwise

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATIONS
Dimensional metrology - Engineering equipment and precision instruments	Depth and height micrometers; External micrometers; Internal micrometers; Micrometer heads	Length measurements	Comparison with a reference standard	Micrometer heads Including compliance with AS 2328 External micrometers Including compliance with AS 2102, BS 870, JIS B7502 Internal micrometers Including compliance with AS 2102, BS 959, JIS B7502 Depth micrometers Including compliance with BS 6468, JIS B7544	

Capability

with Calibration and Measurement Capability of -
Micrometers heads
2.0 µm from 1mm to 50mm
External micrometers
2.0 µm from 25mm to 100mm
3.0 µm above 100mm to 400mm
4.8 µm above 400mm to 700mm
6.7 µm above 700mm to 1000mm
Internal micrometers
2.0 µm from 5.0 up to 100 mm
3.6 µm above 100 mm up to 300mm
5.5 µm above 300 mm up to 600mm
8.0 µm above 600 mm up to 1000mm
depth micrometers
2.0 µm up to 25 mm
2.6 µm above 25 to 100mm
4.0 µm above 100 mm up to 300mm
7.0 µm above 300 mm up to 750mm

	Dial gauges	Length measurements	Comparison with a reference standard	Including compliance with AS 2103, BS 907 and BS 2795	

Capability

with Calibration and Measurement Capability of -
(including Dial gauges, digital indicators and electronic indicators)
1.0 µm up to 50 mm range

	Electronic calipers; Electronic height and depth gauges; Vernier calipers; Vernier height and depth gauges	Length measurements	Comparison with a reference standard	Electronic and vernier callipers Including compliance with AS 1984, BS 887,and JIS B7507 Electronic and vernier height and depth gauges	

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATIONS
				Including compliance with AS 1643, JIS B7517 and JIS B7518	
Capability with Calibration and Measurement Capability of - Electronic and vernier callipers 10 µm up to 300mm 13 µm above 300mm up to 600mm 20 µm above 600mm up to 1000mm Electronic and vernier height and depth gauges 10 µm from 150 mm to 1000 mm					
Dimensional metrology - Jigs, fixtures, cutting tools, machine tools, gears, splines and serrations	Components and QC standards; Cutting tools; Jigs and fixtures; Position and receiver gauges	Angle; Form; Length measurements	Direct measurement	Reference connectors only Including compliance with: - ISO 594-2:1998 Fig. 5 / ISO 80369-7 Fig. C.1 Female reference Luer lock connector for testing male Luer connector ISO 594-2:1998 Fig. 6 / ISO 80369-7 Fig. C.3 Female reference connector for testing male Luer lock connector ISO 594-2:1998 Fig. 7 / ISO 80369-7 Fig. C.4 Male reference Luer lock connector for testing female Luer connector ISO 594-2:1998 Fig. 8 / ISO 80369-7 Fig. C.6 Male reference connector for testing female Luer lock connector ISO 594-1:1986 Fig. 5 / ISO 80369-7 Fig. C.2 Male reference Luer slip connector for testing female Luer connector ISO 594-1:1986 Fig. 4 / ISO 80369-7 Fig. C.5 Female reference Luer slip connector for testing male Luer connector ISO 80369-3 Fig. C.1 Female reference connector for testing male Enteral connector ISO 80369-3 Fig. C.2 Female reference connector for testing male Enteral connector ISO 80369-3 Fig. C.3 Male reference connector for testing female Enteral connector ISO 80369-3 Fig. C.4 Male reference connector for testing female Enteral connector ISO 80369-6 Fig. C.1 Female reference lock connector for testing male Neuraxial connector ISO 80369-6 Fig. C.2 Male reference slip connector for testing female Neuraxial connector ISO 80369-6 Fig. C.3 Female reference connector for testing male Neuraxial connector ISO 80369-6 Fig. C.4 Male reference lock connector for testing female Neuraxial connector ISO 80369-6 Fig. C.5 Male reference connector for testing female Neuraxial lock connector ISO 18250-8 Fig. C.1 Male Apheresis AC Reservoir Reference Connector ISO 18250-8 Fig. C.2 (assembly of C.3 and C.4) Female Apheresis AC Reservoir Reference Connector ISO 18250-8 Fig. C.5 Male Apheresis AC Reservoir Reference Connector ISO 18250-8 Fig. C.6 (assembly of C.7 and C.8) Female Apheresis AC Reservoir reference Connector	

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATIONS
				ISO80369-2 Fig C.1 female reference connector for testing male RESP-125 connectors (R1) ISO80369-2 Fig C.2 female reference connector for testing male RESP-125 connectors (R1) ISO80369-2 Fig C.3 (assembly of C.5 & C.6) male reference connector for testing female RESP-125 connectors (R1) ISO80369-2 Fig C.4 (assembly of C.5 & C.7) male reference connector for testing female RESP-125 connectors (R1) ISO80369-2 Fig C.8 female reference lock connector for testing male RESP-6000 connectors (R2) ISO80369-2 Fig C.9 female reference connector for testing male RESP-6000 connectors (R2) ISO80369-2 Fig C.10 (assembly of C.12 & C.13) male reference lock connector for testing female RESP-6000 connectors (R2) ISO80369-2 Fig C.11 (assembly of C.12 & C.14) male reference connector for testing female RESP-6000 connectors (R2) ISO 18250-3 Fig C.1 Cross port reference reservoir connector for testing cross connector (E1R) ISO 18250-3 Fig C.2 Cross port reservoir reference connector for testing cross connector (E1R) ISO 18250-3 Fig C.3 Cross reference connector for testing cross port reservoir connector (E1R) ISO 18250-3 Fig C.4 Cross reference connector for testing cross port reservoir connector (E1R) ISO 18250-3 Fig C.5 Male reference connector for testing female enteral reservoir connector (E2R) ISO 18250-3 Fig C.6 Female reference connector for testing male enteral reservoir connector (E2R)	

Capability

with Calibration and Measurement Capability of -
(2.5+L/333) µm up to 1100mm where L is in mm
Reference connectors
Determinants: Diameter, taper, length, thread flank angle, form, pitch, lead, width of flat, radii
with Calibration and Measurement Capability of -
taper cone diameter 1.6 µm
lengths 3.0 µm
flank angle 0.05°
thread diameters 3.0 µm
pitch, lead, 5.0 µm
width of flat 5.0µm

Dimensional metrology - Length and angle standards	External cylindrical standards	Angle (arc); Length measurements	Comparison with a reference standard		

Capability

with Calibration and Measurement Capability of -
0.5 µm from 1 mm to 25 mm
0.8 µm above 25 mm to 50 mm
1.0 µm above 50 mm to 100 mm
1.7 µm above 100 mm to 200 mm
2.5 µm above 200 mm to 300 mm

Dimensional metrology - Limit gauges and reference standards	Adjustable thread caliper gauges	Flank angle; Length measurements; Major diameter and simple pitch diameter; Minor diameter and simple pitch diameter; Thread form	Comparison with a reference standard		

Capability

Major diameter, simple pitch diameter, pitch, thread form and angle

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATIONS
with Calibration and Measurement Capability of - 6 µm from 2 mm to 100 mm 10 µm from 100 mm to 200 mm 12 µm from 200 mm to 300 mm					
	Concentricity gauges; Depth gauges; Indicator gauges; Step gauges	Diameter; Length measurements	Comparison with a reference standard		
Capability with Calibration and Measurement Capability of - 2.0 µm up to 50 mm 3.0 µm above 50 mm up to 150 mm 5.0 µm above 150 mm up to 300 mm External length 5 µm from 300 mm to 1000 mm					
	Parallel screw plug gauges	Flank angle; Length measurements; Major diameter and simple pitch diameter; Minor diameter and simple pitch diameter; Thread form	Comparison with a reference standard		
Capability Major diameter, simple pitch diameter, pitch, thread form and angle with Calibration and Measurement Capability of - 2.5 µm from 2 mm to 25 mm 3 µm above 25 mm to 100 mm 4.5 µm above 100 mm to 200 mm 6 µm above 200 mm to 300 mm					
	Parallel screw ring gauges	Flank angle; Length measurements; Major diameter and simple pitch diameter; Minor diameter and simple pitch diameter; Thread form	Comparison with a reference standard		
Capability Major diameter, simple pitch diameter, pitch, thread form and angle with Calibration and Measurement Capability of - 3.5 µm from 2 mm to 50 mm 5 µm from 50 mm to 100 mm 6.5 µm from 100 mm to 200 mm 8 µm from 200 mm to 300 mm					
	Plain gap gauges	Length measurements	Comparison with a reference standard		
Capability with Calibration and Measurement Capability of - 2 µm from 2 mm to 50 mm 3 µm above 50 mm to 150 mm 5 µm above 150 mm to 300 mm 7.5 µm above 300 mm to 500 mm					
	Plain plug gauges	Diameter	Comparison with a reference standard		
Capability with Calibration and Measurement Capability of - 0.5 µm from 0.2 mm to 25 mm 0.8 µm above 25 mm to 50 mm 1.0 µm above 50 mm to 100 mm 2.0 µm above 100 mm to 200 mm 2.5 µm above 200 mm to 300 mm Spheres 0.8 µm from 1 mm to 25 mm 1.7 µm above 25 mm to 50 mm 2.6 µm above 50 mm to 150 mm					
	Plain ring gauges	Diameter	Comparison with a reference standard		
Capability with Calibration and Measurement Capability of - 5 µm from 0.5 mm to 1.7 mm 1.5 µm above 1.7 mm to 50 mm 3 µm above 50 mm to 180 mm 4 µm above 180 mm to 240 mm 5 µm above 240 mm to 300 mm					
	Profile gauges	Flank angle; Length measurements	Comparison with a reference standard		

SERVICE	PRODUCT	DETERMINANT	TECHNIQUE	PROCEDURE	LIMITATIONS
Capability with Calibration and Measurement Capability of - 10 µm from 1 mm to 150 mm					
	Taper plug gauges	Diameter; Length measurements	Comparison with a reference standard		
Capability with Calibration and Measurement Capability of - 1.6 µm from 1.0 mm to 20 mm. 2.0 µm above 20 mm to 50 mm ~~3~~.5 µm above 50 mm to 150 mm 4.0 µm above 150 mm to 300 mm					
	Taper ring gauges	Diameter; Length measurements	Comparison with a reference standard		
Capability with Calibration and Measurement Capability of - 1.6 µm from 1.0 mm to 20 mm 2.0 µm above 20 mm to 50 mm 4.0 µm above 50 mm to 150 mm 6.0 µm above 150 mm to 250 mm					
	Taper screw plug gauges	Flank angle; Length measurements; Major diameter and simple pitch diameter; Minor diameter and simple pitch diameter; Taper; Thread form	Comparison with a reference standard		
Capability Major diameter, simple pitch diameter, pitch, thread form and angle with Calibration and Measurement Capability of - Tapers from 1 in 500 to 1 in 8 5 µm from 2 mm to 50 mm 6 µm above 50 mm to 100 mm 7 µm above 100 mm to 200 mm 8 µm above 200 mm to 300 mm					
	Taper screw ring gauges	Flank angle; Length measurements; Major diameter and simple pitch diameter; Minor diameter and simple pitch diameter; Taper; Thread form	Comparison with a reference standard		
Capability Major diameter, simple pitch diameter, pitch, thread form and angle with Calibration and Measurement Capability of - Tapers from 1 in 500 to 1 in 8 5.0 µm from 2 mm to 100 mm 8.0 µm above 100 mm to 165 mm					
Dimensional metrology - Surface topography	Components and QC standards	Roundness	Comparison with a reference standard by differential measurement	Evaluation of roundness to BS 3730	
Capability with Calibration and Measurement Capability of - 0.25 µm from 3 mm to 300 mm diameter					

The only data displayed is that deemed relevant and necessary for the clear description of the activities and services covered by the scope of accreditation.

Grey text appearing in a SoA is additional freetext providing further refinement or information on the data in the preceding line entry.

END OF SCOPE