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Premec's laboratory writing performance testing conditions

	WATER BASE SYSTEMS			OIL BASE SYSTEMS	
	Gel System Ø 0.3 & 0.4	Gel System Ø 0.5 and over	Roller System	Oil based & OB-LV system Ø 0.4	Oil based & OB-LV system Ø 0.5 and over
ISO Standard reference	ISO 27668	ISO 27668	ISO 14145	ISO 12757	ISO 12757
Writing weight	50 g	100 g	100 g	100 g	150 g
Writing angle	70°	70°	70°	70°	70°
Writing speed	4,5 m/min	4,5 m/min	4,5 m/min	9 m/min	9 m/min
Line Pitch	1 mm	1 mm	1 mm	0.5 mm	0.5 mm
Axial rotation	1 r.p.m.	1 r.p.m.	1 r.p.m.	1 r.p.m.	1 r.p.m.
Temperature	24° C ± 1	24° C ± 1	24° C ± 1	24° C ± 1	24° C ± 1
Humidity	50% ± 10	50% ± 10	50% ± 10	50% ± 10	50% ± 10
Paper	ISO 27668 ISO 14145	ISO 27668 ISO 14145	ISO 27668 ISO14145	ISO 12757	ISO 12757

Premec is using:

- original, calibrated **Hutt HST10** write test machines only
- certified and traced ISO12757, ISO14145/ISO27668 paper from Aurora Trading only
- ISO27668 paper fully corresponds to ISO14145 paper

Premec's technical staff remains at your disposal in case you need additional information.