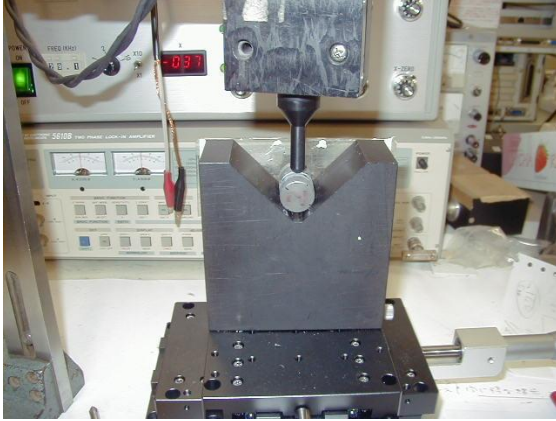


8. Quench hardening layer depth test

As shown, the quench depth is tested by touching the tip of the pen type sensor on the test material. Rotating the test material 90 degree each, the measurements at 4 points are done and evaluated. It is possible to get the depth of hardening L_x using measured L_μ at each point.



基準	X	Y(L μ)	Lx(mm)
1	-154	-752	-0.710
2	-139	-745	-0.717
3	-157	-750	-0.712
4	-126	-757	-0.705

←実測値

焼入れ深さ算出方法
 $L_x = 533.92 / L_\mu$

No.1	X	Y(L μ)	Lx(mm)
1	57	-866	-0.617
2	73	-881	-0.606
3	78	-881	-0.606
4	76	-882	-0.605

No.3	X	Y(L μ)	Lx(mm)
1	98	-891	-0.599
2	97	-889	-0.601
3	92	-891	-0.599
4	99	-886	-0.603

No.2	X	Y(L μ)	Lx(mm)
1	63	-885	-0.603
2	55	-886	-0.603
3	62	-877	-0.609
4	51	-871	-0.613

No.4	X	Y(L μ)	Lx(mm)
1	132	-832	-0.642
2	135	-829	-0.644
3	139	-828	-0.645
4	107	-837	-0.638