



NC Machine tool 1µm Probe

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| 1) Design: | Battery Lift ~7 years, Waterproof and vibration proof |
| 2) Probing Direction: | $\pm X \pm Y$ & $-Z$ |
| 3) Edge Finding: | $\pm 0.0015\text{mm}$, about 35X higher than normal edge finder, More than 4X faster. |
| 4) Part Alignment: | $\pm 0.002\text{mm}$ |
| 5) Measurement: | Height/Depth = $\pm 0.001\text{mm}$, Distance = $\pm 0.002\text{mm}$ |
| 6) Tool Change: | $\pm 0.002\text{mm}$ |
| 7) Measurement: | The machine travel range = Measuring Range
Easy & Faster by the machine, without the need of additional training |

Additional:

- A) It detect μm even the machine scales 0.01mm or more.
- B) It improve the NC machine accuracy to μm level, easily $3\sim 5\mu\text{m}$ from normal $20\mu\text{m}$ m/c.
- C) Detect of machine Backlash.

