

## Technical characteristics

### >Chuck Air bearing move technology

Pneumatic type mobile platform has the function of fast moving chuck, can meet the needs of efficient manual test by the corresponding gas float switch, provides three kinds of method of fast moving: one hand control X/Y direction fast moving, hands control samples total plane fast moving traditional ball/bearing type samples can only achieve X/Y axis one-way movement, and movement speed slower; Although the ordinary air-floating sample table can realize full plane rapid movement of the sample table, it cannot realize one-way accurate movement positioning of the X/Y axis, which can meet the needs of production measurement. The 3-weight air-controlled sample table perfectly combines and realizes the above two functions.

### >Large handle differential head drive

Chuck the mobile platform is equipped with coarse and fine adjustment function, fine adjustment knob driven by the industry's top Japan Mitutoyo big handle differential head, small compared with the traditional differential head adjustment, feel more comfortable to adjust operation more smoothly and no return bad, really realize super smooth efficient test manually, improve test efficiency, saving the cost of customer tests.

### >Microscope air - controlled lifting control

The microscope can rise and fall 50mm by means of air control. The microscope can rise and fall smoothly by means of high quality valve control and fine adjustment of high pressure air inlet and outlet throttling, so as to facilitate the replacement of objective lens and better protect against accidental contact damage between objective lens and fixture in the test.

### > Three - stage lifting needle base platform

The needle seat platform can rise and fall rapidly (0,300um,3mm)+ fine adjustment (40mm, moving resolution 2~5um). All parts of Platen can rise and fall at the same time (there is no different phenomenon). After rising and falling, the repeatability of the probe in x, Y and Z directions of needle marks on the pad is better than that of others. The 1um, repeatable (1 m) needle base platform has three discrete positions for contact, separation (300 m) and