

COMFORT TEST PROGRAM FOR VIRTUAL REALITY DEVICES

PROJECT INTRODUCTION

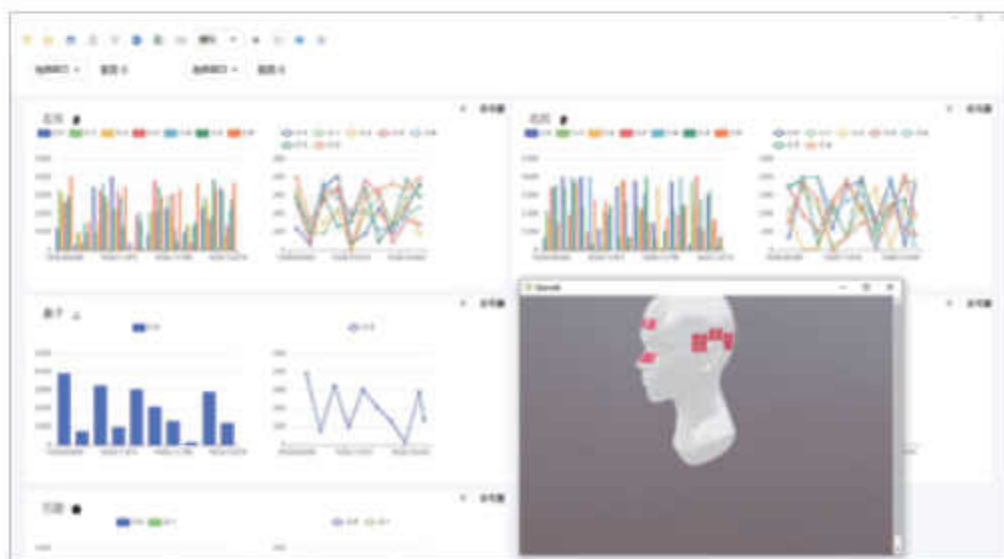
Traditional pressure sensitive paper, pressure sensor detection means has been difficult to adapt to the transformation and upgrading needs of the digital manufacturing environment. Changzhou Tianze has launched a distributed measurement system for thin film pressure sensors for virtual reality devices, which is mainly used to measure and analyze the pressure distribution on the head of head-mounted products such as VR devices and smart glasses, to improve and optimize the wearing experience of the products, to collect pressure data, and to model head data.



MEASUREMENT PROCESS

The flexible and ultra-thin film sensors are respectively covered in the main areas of the P95 3D head mold (forehead, forehead, nose, left ear, right ear), the sensor thickness is less than 0.1mm, 5 pieces of independent sensors work in parallel, the ultra-thin flexible design technology solutions can realize the curved surface of the fine fit measurement. Can test 0-10PSI (about 70Kpa) range, sensor measurement sensitivity $\pm 0.1\text{Kpa}$.

MEASUREMENT RESULT



USE

Product Form Optimization
Wearable Experience

ADVANTAGES

Flexible fit
Easy to arrange

EQUIPMENT: S1

Single Point Measurement
(Wired) Systems
SPM



MODEL	SD2R940
PRODUCT SIZE	35*400mm
SENSING AREA	4.5* π *2mm ²
TAB LENGTH	340mm
PRESSURE RATING	4N



MODEL	SD8S030940
PRODUCT SIZE	120mm*400mm
SENSING AREA	33*9*8mm ²
TAB LENGTH	352mm
PRESSURE RATING	4N