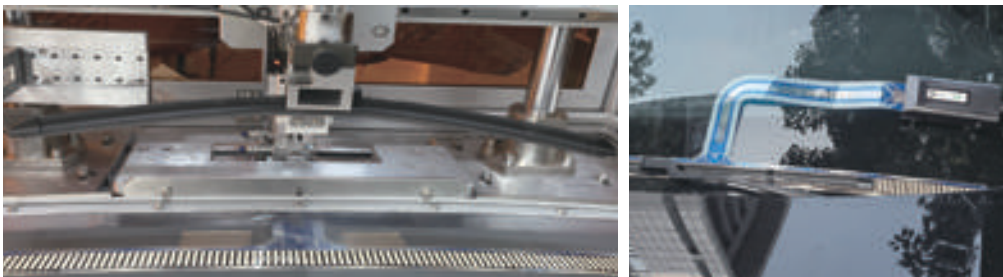


AUTOMOTIVE WIPER TAPE SEAL CONSISTENCY TEST PROGRAM

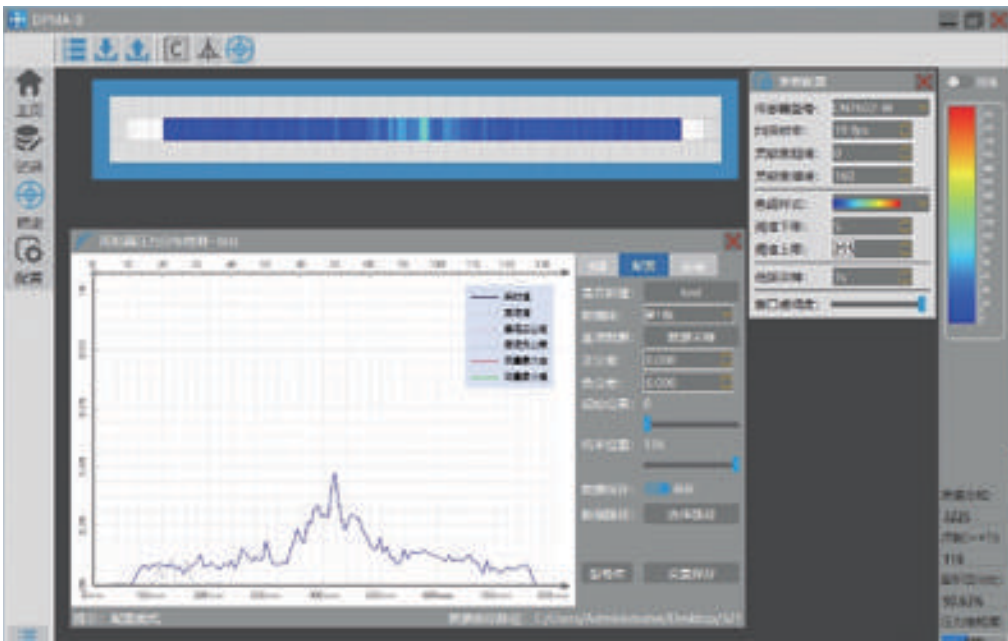
PROJECT INTRODUCTION

In the factory inspection of the wiper, the sealing and consistency of the rubber strip must be fully tested. The percentage of force on each part of the wiper blade and the consistency between different batches are crucial to improve the production quality of the wiper. The company has designed a test system specifically for windshield wipers, with a thin-film sensor arrangement of 128 independent pressure sensors along its length to accurately capture the forces between the various areas of the wiper blade.



MEASUREMENT RESULT

The thin-film sensor was precisely fixed in the test area of the machine, after which we securely mounted the qualified wiper on the clamping jaws. By applying a uniform pressure of 50N to the midpoint of the wiper through the pressure device, the sensor quickly and accurately reads and records the pressure data of each part of the wiper rubber strip, providing a reliable basis for subsequent analysis and optimization.



USE

- Wiper R&D Validation
- Batch Consistency Verification
- Wiper Reliability Verification

ADVANTAGES

- Visualization Simplicity
- High Efficiency Customization

EQUIPMENT: D2

- General Purpose
- Distributed Pressure
- Measurement System
- DPM-G



MODEL	CN7602-W
Sensing area	766mm *20mm
No. of sensing points	128, 1rows*128columns
Point density	1.7points/cm ²
Pressure ranges	10psi