

SCREEN DOCTOR BLADE PRESSURE CONSISTENCY TEST PROGRAM

PROJECT INTRODUCTION

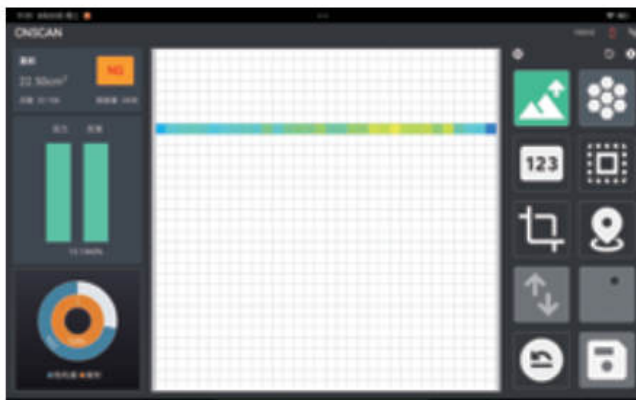
An uneven screen printing squeegee for solar cell wafers can affect the cosmetic quality of the solar cell wafers and may also have a negative impact on their photovoltaic conversion efficiency. Use the Thin Film Pressure Sensor Test to accurately measure the distribution of pressure exerted by the squeegee on the screen stencil during the printing process. Help assess the flatness of the squeegee and how it performs during the printing process.



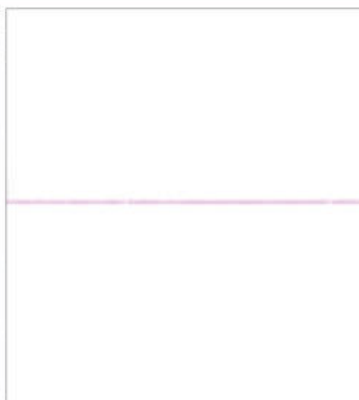
MEASUREMENT PROCESS

Place the SF2825 sensor on the screen printing plate, set the lower pressure of the squeegee, and then observe the pressure distribution of the squeegee during its stroke.

MEASUREMENT RESULTS



Thin Film Pressure Sensor Software Test Interface



Pressure-sensitive paper test results

Through our equipment and pressure-sensitive paper for comparison experiments, you can see our film sensor in the detection of doctor blade flatness of the efficiency and accuracy, can be found in a timely manner and prompted us to take appropriate measures to adjust or repair.

USE

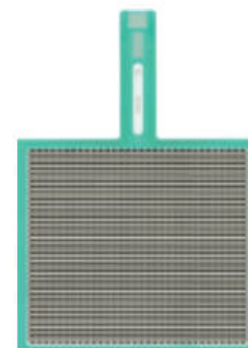
Factory test
Daily inspection

ADVANTAGES

Quantifying Squeegee Pressure
Improve print quality
Improve production efficiency

EQUIPMENT: S4

Surface Flatness Detection System
SFD



MODEL	SF2825
Sensing area	281mm *250mm
No. of sensing points	1024, 32rows * 32columns
Point density	1.4points/cm ²
Pressure ranges	10psi