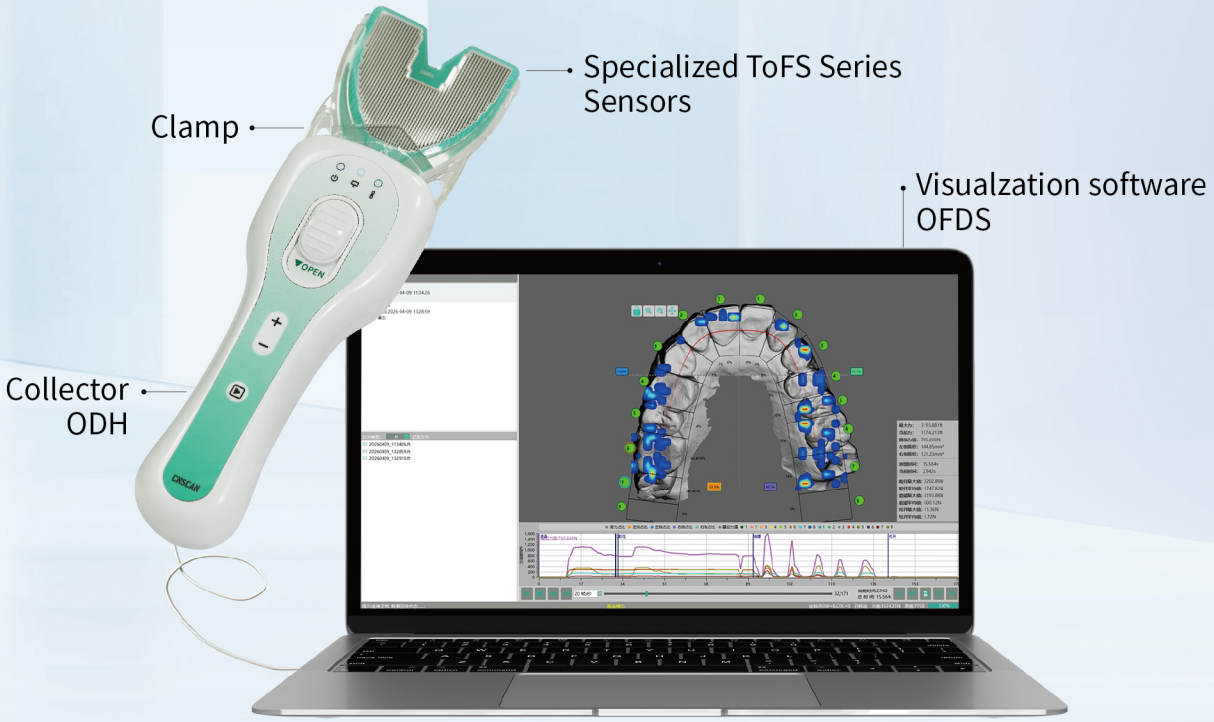
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TIANCE ELECTRONICS Occlusal Analysis
Occlusal Force Distribution Detection System (ODS)



The Occlusal Force Distribution Detection System (ODS) is an auxiliary diagnostic tool used in clinical dentistry. It collects pressure distribution data during a patient's occlusion using thin-film pressure sensors, providing clinicians with quantitative reference information on occlusal pressure.

Efficient & Convenient | Clear and visible | Precise Occlusion | Analysis | Data Management

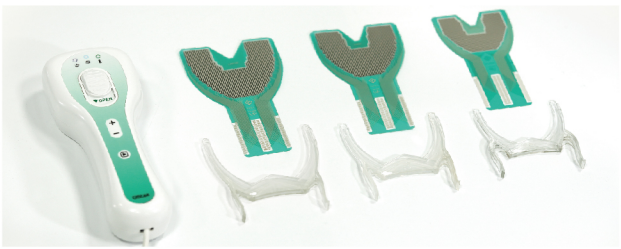
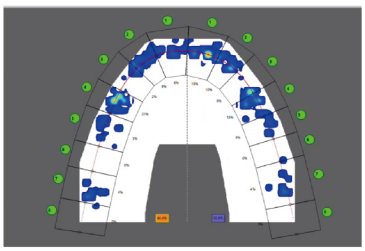
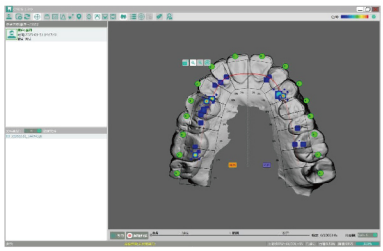
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SYSTEM INTRODUCTION

The Occlusal Force Distribution Detection System (ODS)is a cutting-edge occlusal assessment tool specifically designed for precise measurement of bite pressure. Integrating digital occlusal analysis, it provides clinicians with detailed data to easily identify early occlusal contacts, high-pressure areas, and complex occlusal relationships.

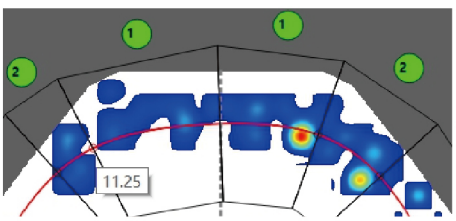




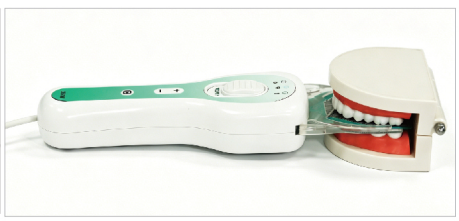
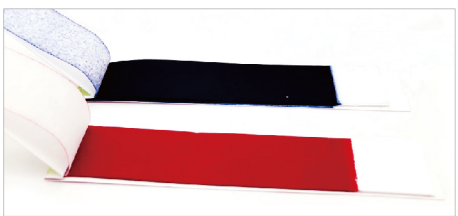
PRODUCT ADVANTAGES

High sensitivity: capable of detecting subtle pressure changes
Fast response: Real-time data acquisition with immediate display
Excellent linearity: Consistent and stable linear output relative to applied force.
Ultra-thin and flexible: Conforms to the dental arch, ensuring high patient comfort

TECHNOLOGY COMPARISON

Articulating paper is an oral occlusal diagnostic tool, thin and soft with stable coloration. It leaves marks indicating contact points when bitten, helping to assess occlusal relationships and assist dentists in diagnosis and treatment.
Applied similarly to traditional articulating paper, the pressure distribution sensor is highly user-friendly. However, it offers significantly enhanced functionality by accurately recording dynamic changes in the occlusal pressure of individual teeth, thereby providing reliable data for precise clinical treatment.

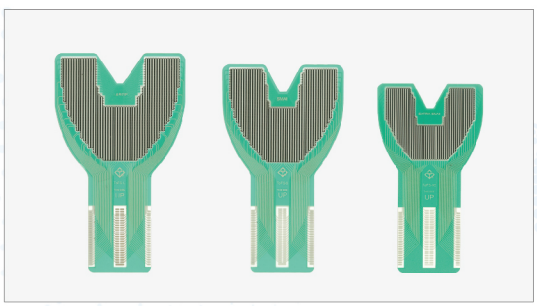


EQUIPMENT PARAMETERS



Data collector parameters	
Dimensions	181mm * 6mm * 35mm
Resolution	100 Hz
Sampling accuracy	8 bit
Sensing points	2304
Interface	USB
Operating voltage	5 V



Sensor Model	ToFS-L	ToFS-S	ToFS-XS
Dimensions	72*122mm	67*116mm	59*107mm
Sensing area	64*56mm	51*58mm	48*39mm
Sensing points	1272 R42*C48	1248 R40*C46	1030 R36*C44
Sensor density	54.9points/cm^2	59.2points/cm^2	82.6points/cm^2
Measuring Range	800Psi	800Psi	800Psi