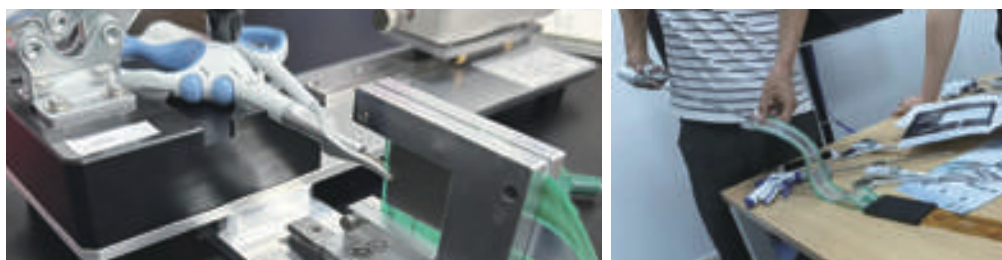


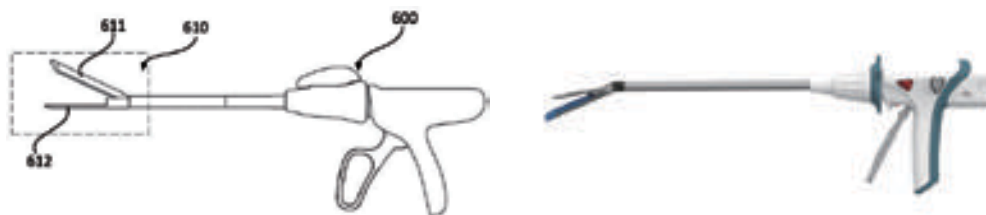
ULTRASONIC SCALPEL/ANASTOMOSIS INCISION BITE FORCE TESTING PROGRAM

PROJECT INTRODUCTION

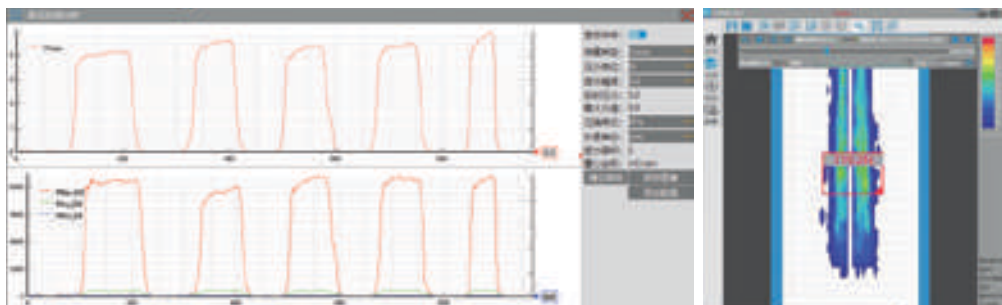
Ultrasonic scalpel, as a common medical equipment in surgery, has a wide range of applications in the operating room. In order to make a side-by-side comparison of domestic and foreign products, a customer needs to use our pressure distribution measurement equipment to test the bite force and pressure distribution of the knife.



A medical anastomosis is a medical device used to connect and close biological tissues during surgery or other medical operations. It is commonly used to close wounds, anastomose blood vessels or organs, repair tissue damage, and other conditions. In product development, it is necessary to test the clamping force of the anastomosis head of the anastomosis.



MEASUREMENT RESULT



Ultrasonic surgical knife bite force and pressure distribution

Clamping force of stapler

Our Pressure Distribution Measurement System provides concrete and intuitive data of different positions of the knife mouth, which lays the data foundation for the customer in the development of ultrasonic scalpel.

Testing the clamping force of anastomosis nail compartment in strike and non-strike state can better assist customers to complete the inspection of medical anastomosis.

USE

Product Design Verification
Factory Inspection

ADVANTAGES

Data Visualization
Qualitative analysis

EQUIPMENT: D2

General Purpose
Distributed Pressure
Measurement System
DPM-G



MODEL	CN5027
Sensing area	26.6mm*26.6mm
No. of sensing points	1936, 44rows*44columns
Point density	278points/cm ²
Pressure ranges	50/500/1000psi



MODEL	CN0107-2Y
Sensing area	25.6mm*70mm
No. of sensing points	2288, 52rows*44columns
Point density	61.7points/cm ²
Pressure ranges	400psi