

# FLEXSTAND Medico

Design Concept

Prototype Verification

Deploy Production



## MEDICAL DEVICE TESTER

**FlexStand Medico** is a product for testing medical devices. Both mechanical and electronic interfaces can be tested. It performs functional tests, circuit tests as well as device programming.

**FlexStand Medico** typically measures the power consumption of the device, activates inputs, measures outputs and simulates probes needed to make the device run. Mechanical buttons, actuators and connectors can be activated and tested by using a special made fixture. The same goes for optical testing for display control, LED control and dimensional measurements.

The computer hardware and instruments are based on PXI from National Instruments. The software is based on CIM Industrial Systems know-how from TestStand and Labview. **FlexStand Medico** can be delivered as a turn-key or custom-made solution with the desired level of documentation.



Programming station



## MAIN FUNCTIONS

for medical device tester.

- Functional tests of medical devices
- Electronic and mechanical interface tests
- Vision system for camera control of DUT
- PXI based
- Wireless and wired communication interface
- RF based
- Analog I/O and Digital I/O
- Validated and commissioned according to FDA guidelines (CFR part 11), GMP, CE and UL
- Statistical process control

PXI system: RF instrument, Power Supply, Slot-O computer, digital I/O, analog I/O, RS232, USB and Ethernet.



Custom side on the left and instrument side on the right. The system can be a table-top or rack based solution.