InnoLight 10G BERT

BE5001

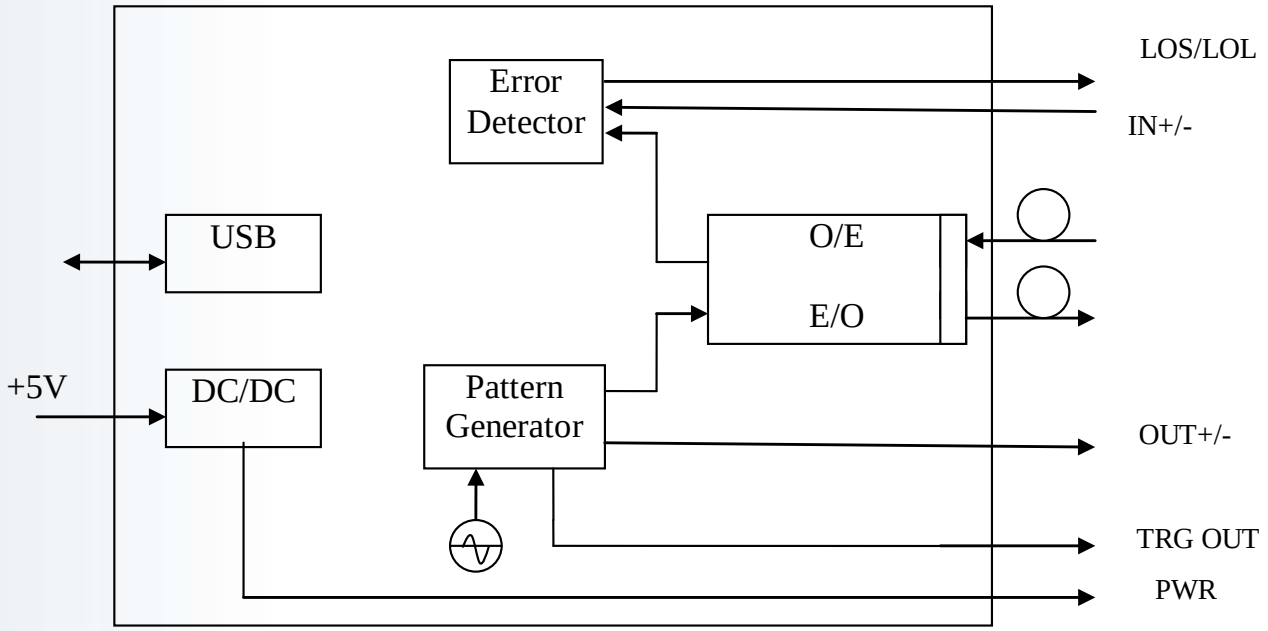
Features

- Support four data rate:
  - 9.95G, 10.3G, 10.7G, up to 11.1Gbps
- Support PRBS7, PRBS31, and user pattern (PPG) unit
- Internal synchronized Error Detect(ED) unit.
- Synchronized trigger output
- Built in optical transceiver can provide optical output and input, LR and SR optical interface available
- 2-IN-1 BERT, measure electrical and optical BER simultaneously
- Electrical and optical can be configured to loopback mode

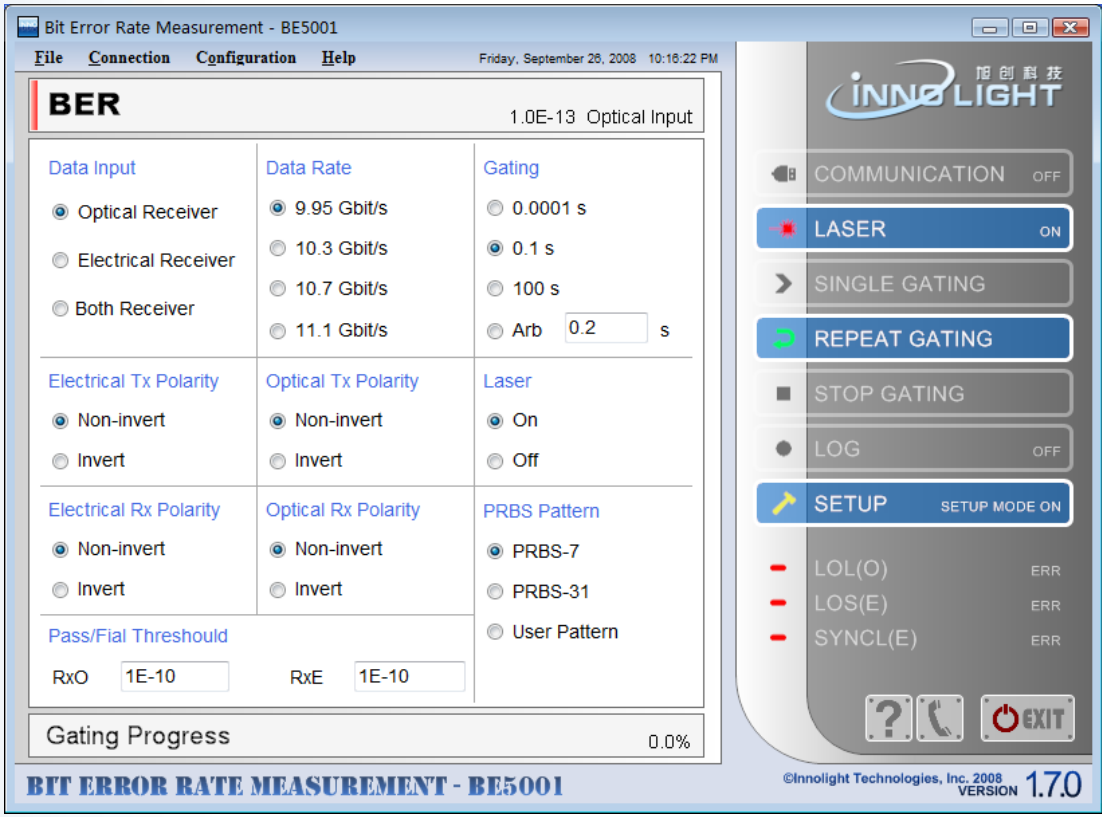
Advantages of Using InnoLight BERT

- Ultra low cost solution for 10G mass production test
- Performance compatible with commercial BERT
    - Simple function(PPG/ED/built in light source) but ultra low price
- Real time technical support from InnoLight local engineer. We can support test system setup, ATE program development
- PC based friendly UI and remote control available through USB

Structure of InnoLight BERT

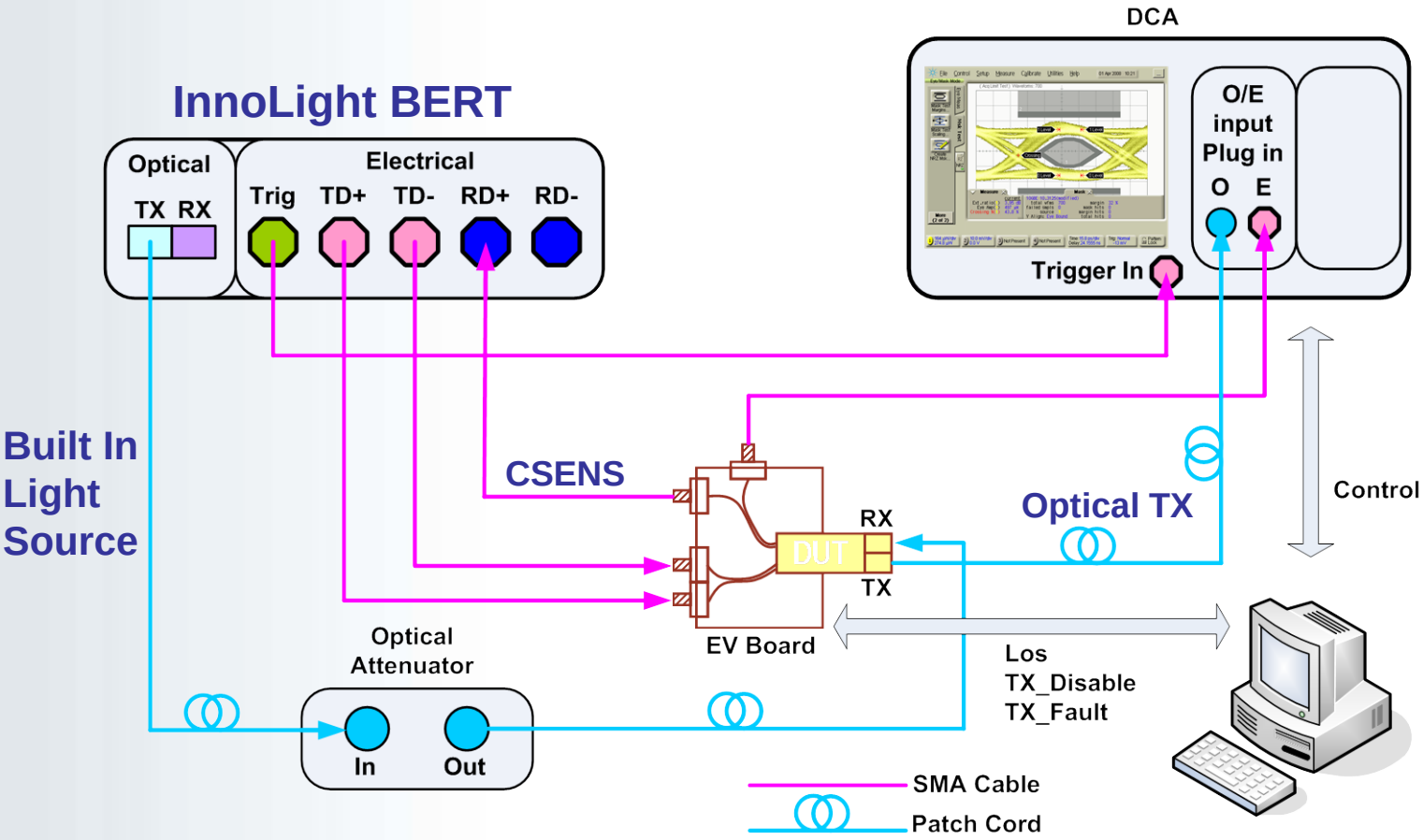


Friendly user interface

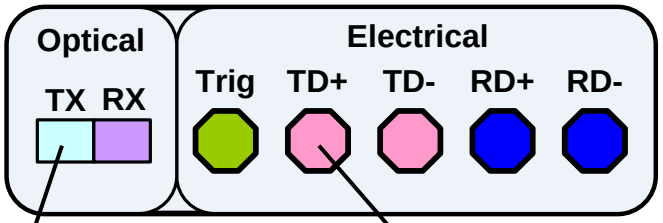


Labview based hardware driver library available for customer to develop their own auto-test system

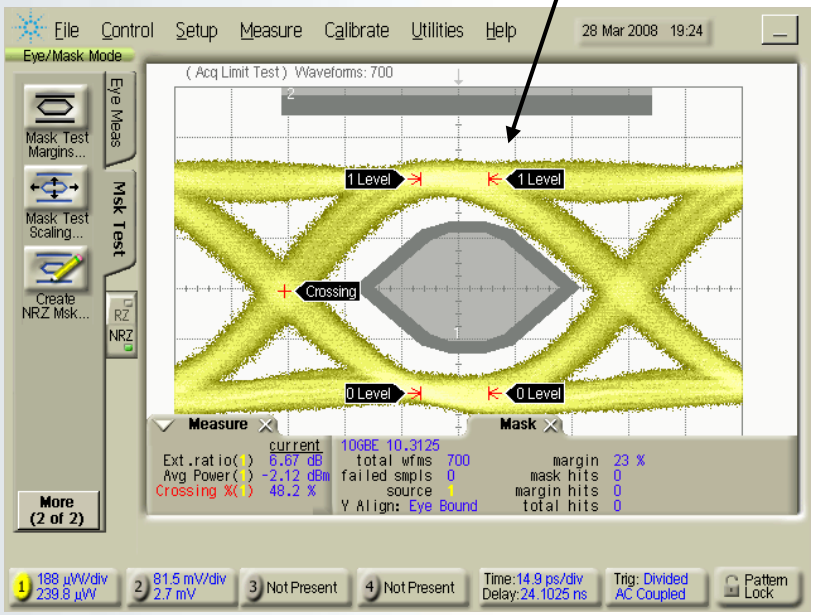
A Full Function Low Cost SFP+/XFP ATE w/ InnoLight BERT



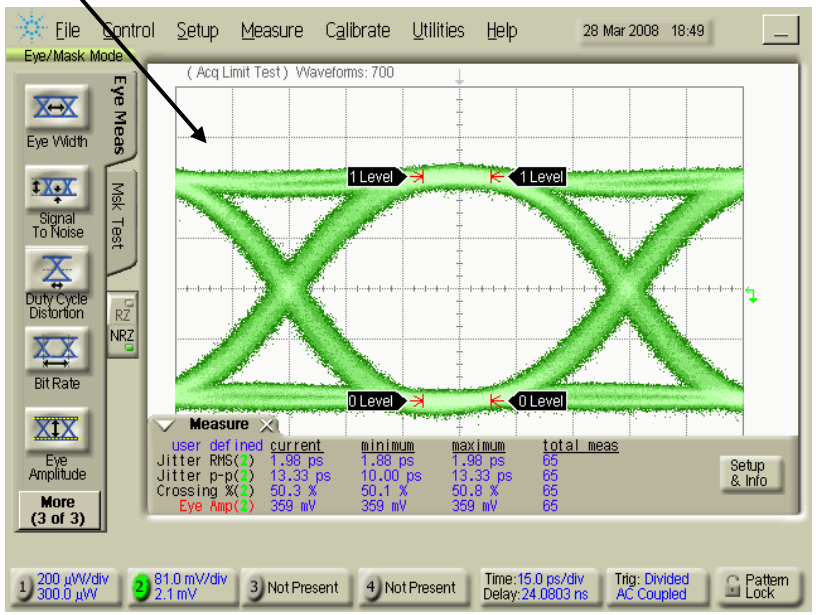
Performance Summary



InnoLight BERT

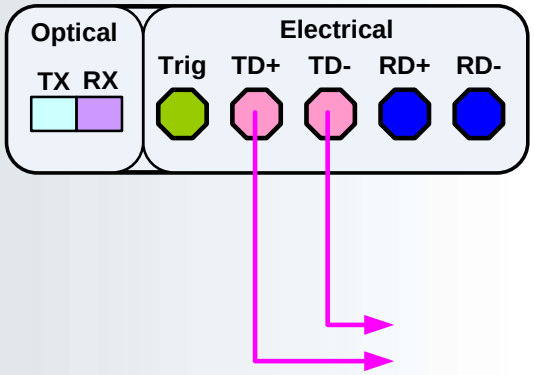


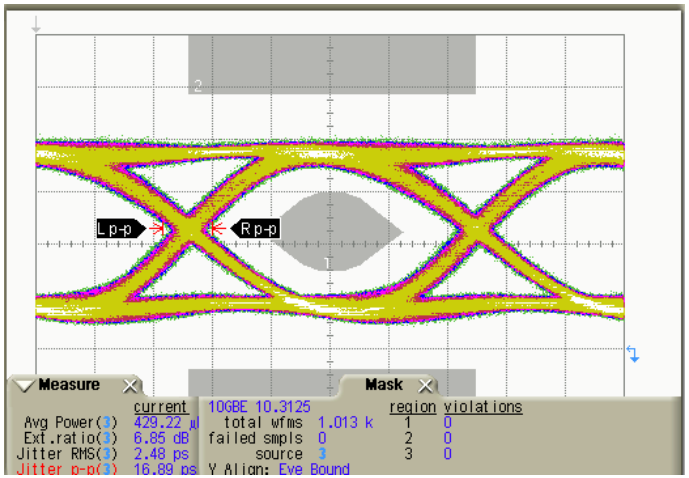
Built In Optical Eye Diagram



Electrical Output Eye Diagram

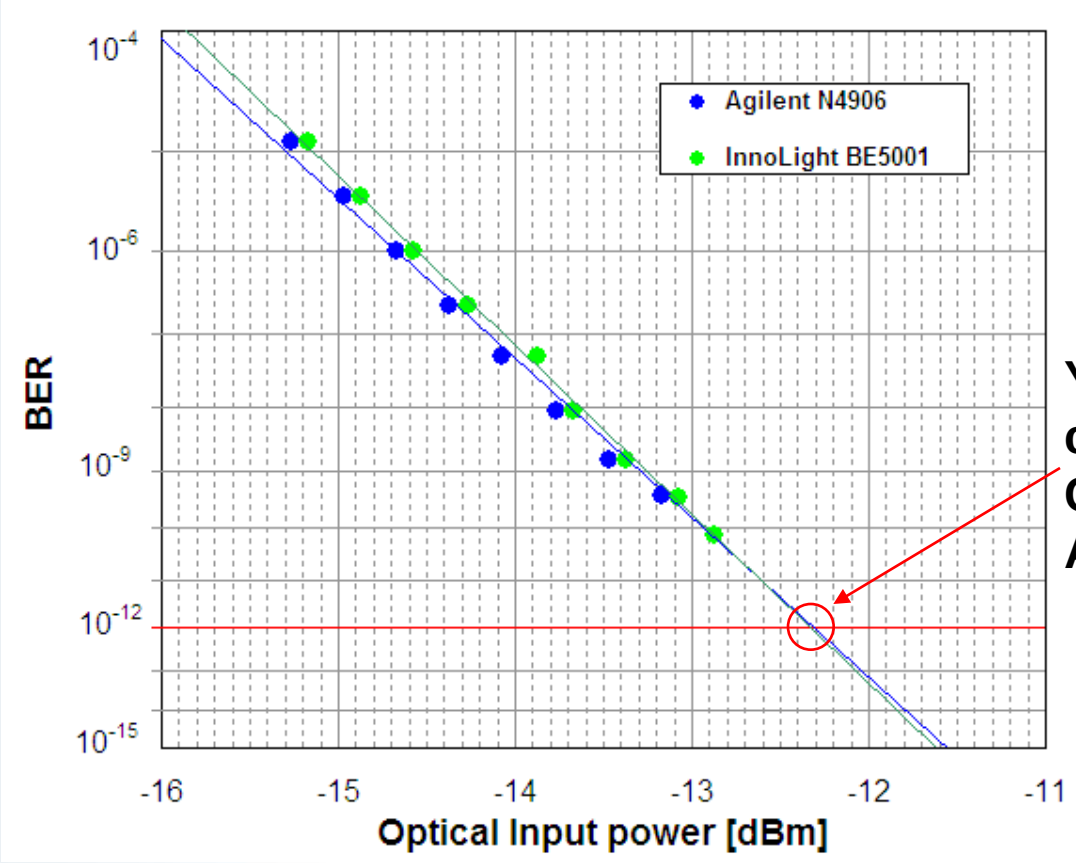
Performance Summary





Electrical output droved XFP LR DUT TX Optical Eye Diagram

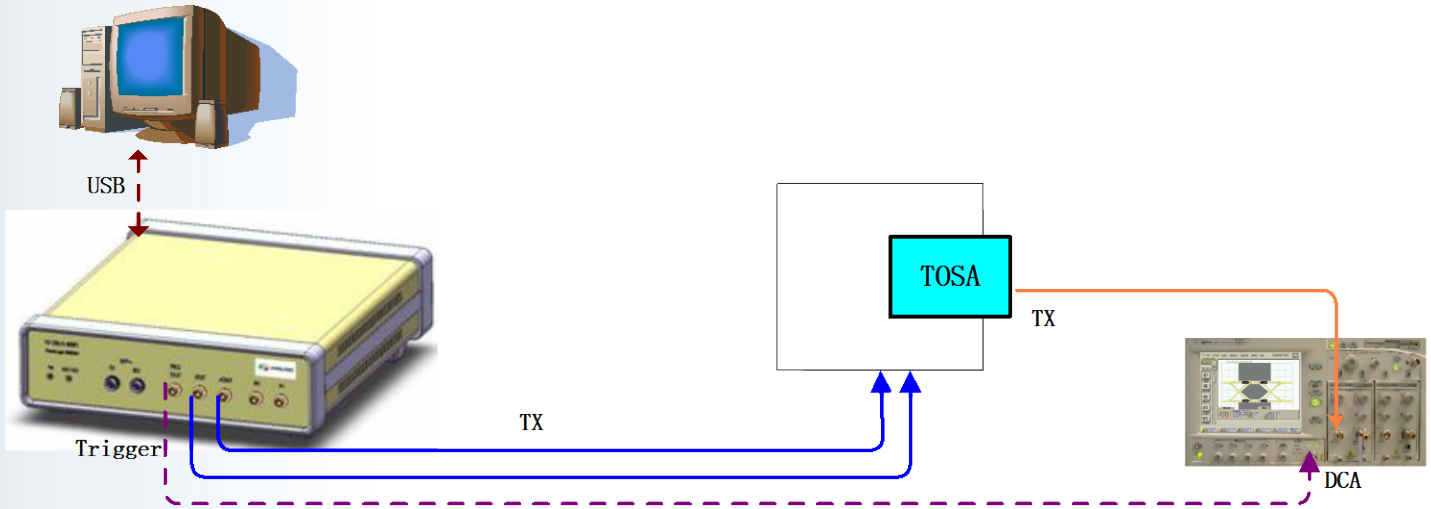
Performance Summary



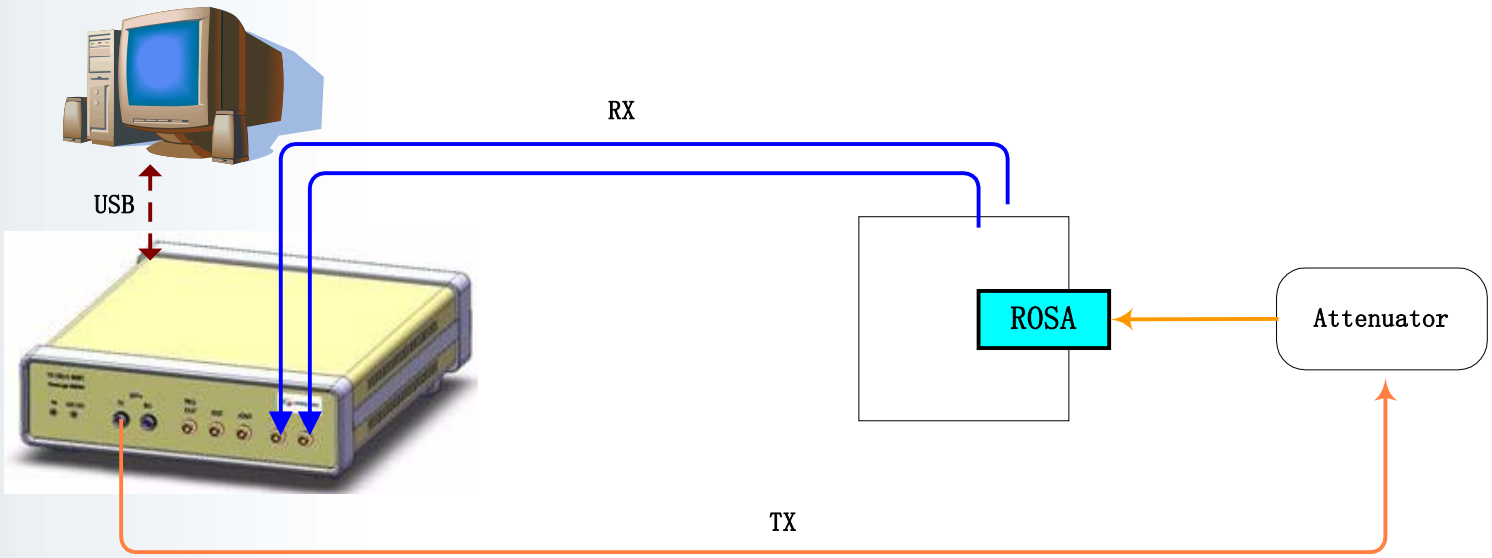
You will note that we can get the same CSENS result as Agilent BERT

CSENS BER Curve Comparing with Agilent N4906 BERT with proposed test setup configuration <Page5>

Low Cost Solution for 10G TOSA Test



Low Cost Solution for 10G ROSA Test



Support and Services from InnoLight:

- One year free warranty
- Following engineering services available:
  - Calibration and Software upgrade
  - Engineer supporting of set up the low cost test system
  - Develop the one-touch automatic test program
  - Develop the parallel test process for test time reduction