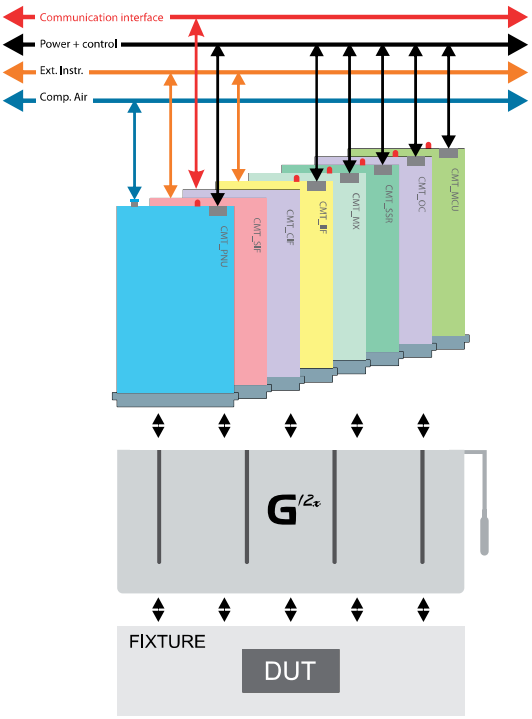
# CMT - CABINET MODULAR TESTER

**CMT or Cabinet Modular Tester, represents advanced universal test platform for both functional- and In-circuit Testing. In combination with the sophisticated and easy-to-use test software SCADUS, CMT provides electrical measurements (RLC, voltages, currents, etc.). CMT can be equipped with oscilloscope for time domain measurements. The system is designed to integrate specific instruments (high digit DMMs, AC Power sources, LCR meters, LIN and CAN converters, ...) and it complies with all necessary standards for industrial product testers.**


## MAIN FEATURES

- Universal tester for various applications
- Stand-alone solution
- Cards are connected directly with the fixture (cableless
- VPC G 12 Interface
- Vision tests
- Industrial PC
- Battery bank-up (UPS)
- Exchangeable fixtures
- ICT, FCT, processir flashing
- Automatic testprogram load

## MAIN ADVANTAGES

- Cost-effective solution
- Flexibility
- Versatility
- 3rd Party HW Compatible

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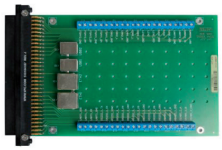
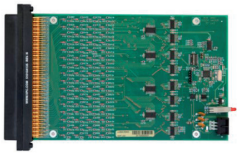
**PRODUCT** INFORMATION

# COMPONENTS

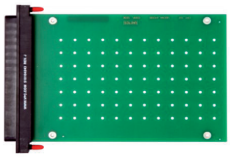
### CMT_IIF
- Instument interface
- Allow to connect up to 4 programmable power supplies
- Connection to DMM and LCR
- Selftest



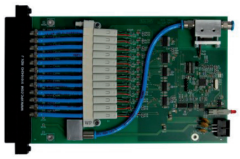
### CMT_CIF
- Communication interface
- Allow to connect:
  2x UART, 4x Rs232, 2x Rs485
  2x LIN, 2x CAN, 2x FLEXRAY
  2x USB, 2x ETH



### CMT_OC
- 64x Open collectors 24V/300mA
- Switching against the ground
- Readback capability
- Selftest

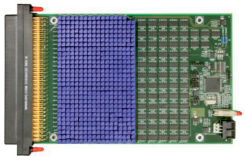


### CMT_SIF
- Special interface
- Allows to connect:
  Oscilloscope, Generator LF RF, Spectrum analyser, HV power supply, High current power supply, AC power supply, Source measure unit

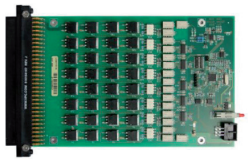


### CMT_PNU
- Pneumatic distribution unit
- 12x Pneumatic valves
- Air pressure monitoring
- Selftest

### CMT_MX
- Relay matrix 96 pins 100V/1A
- Selftest



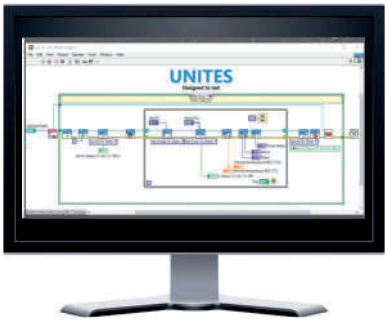
### CMT_RMX
- Reed relay matrix 6 x 80
- Input multiplexer 2 x 6
- Total of 520 relays
- High density Pickering reed relay 124-1-A-5/2
- Low level „cold“ switching 100V/100mA
- Integrated selftest (no external adapter needed)



### CMT_SSR
- 16 Isolated solid state switches 60V/5A continuous
- Selftest

# SOFTWARE






## SCADUS

SCADUS (Smart Control and Development Universel Software) runs on Microsoft Windows hence providing easy-to-use solution for controlling the tester. It allows 2 modes of running - engineer and product mode. It also contains debugging tools such as Visual Debugger which helps the engineer to detect possible problems.

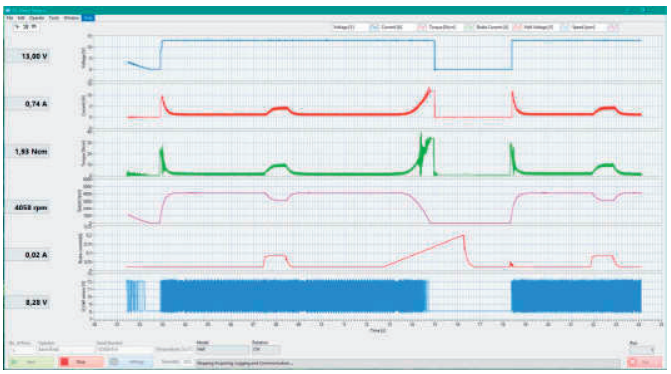
## TESTSTAND

TestStand is a well-known sequencer from the National Insruments for developing automated test systems. Togetther with LabView SW it is a powerful tool with worldwide support. TestStand platform allows us to design GUI (Grahical User Interface) according to the customers's needs.

## LABVIEW

LabView is graphical systems engineering software for application requiring test, measurement abd control. It is an open SW platform allowing integration of systems from other vendors (power supplies, DMMs, converters, etc.). It is a worldwide standard for measurement systems.

Graphical display of measured data allows user to exactly see and evaluate performance and behaviour of measured DUT (Device Under Test). DC motor test shown as an example.



# QUICK EXCHANGE OF TEST APPLICATION

- VPC G 12 Interface - interchangeable fixtures
- Manual fixtures ATX, Ingun, GS, UNITES
- Cards are connected directly with the fixture (cableless
- Direct connection between fixture and tester
- Fixture indetification - automatic test program loading from remote or local storage


In cooperation with UNITES Systems from Czech Republic, founded in 1991, MG-Products provides both software and production hardware services for the Benelux and German market, test and measurements systems and ATE solutions for semiconductor solutions for a wide verity of electronics industries like automotive, aerospace, defence, medical, industrial and aviation.

UNITES Partnership with UNITES Systems

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