

Components and Sensors:



Inova:

Hydraulic units and power lines, manifolds, test rigs and load frames. Axial and rotary actuators, joints, grips.



Star servohydraulics:

Two or three stage servo valves from 4l/min to 900l/min. Repair and retrofit of various valves.



GTM:

Strain gauge and torque transducers, multi-component transducers, force transfer standards and reference force transducers.



Messotron:

Inductive displacement transducers and pushbuttons. Incremental or potentiometric tape and rope measuring systems, measuring amplifiers, indicating devices.



Sandner:

Fatigue rated strain gauge based sensors for use at -270°C to 300°C, or with ceramic rods up to 1'800°C.

TeMeCo Services:

Experience the amazing power of Inova test machines machines and systems together with the well established after sales support from TeMeCo Services.

A wide range of equipment, load cells and extensometers with outstanding precision and linearity ensure highly flexible and accurate testing.

Inova is specialised in demanding customised fatigue test systems.



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Fatigue Testing

- TeMeCo is the Swiss representation of Inova, a Czech manufacturer of high-performance fatigue test systems.
- Single and multiaxial fatigue test machines and systems. servo hydraulic or electromechanical force generation.
- Powerful digital electronic control system.
- Modernisation of existing fatigue test systems of other brands.
- Installation, training, maintenance, repair, consulting, assistance.

Component testing:



Complete test systems:

Design – and consultation service using 3D design, calculation and simulation.

Supply of components such as hydraulic pumps power lines, manifolds, hoses, test rigs and frames, actuators, servo valves, load cells and displacement transducers, joints, grips, thermostatic chambers, safety housings, controller, software, etc.

Training and assistance for set up, operation and maintenance of test rig. Telephone and web support, after sales service.

Controller:



EU3000 RTC:

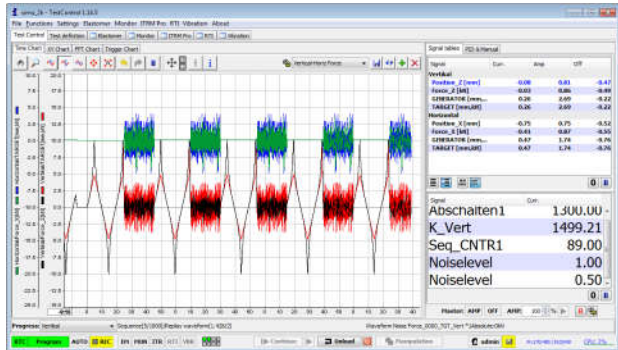
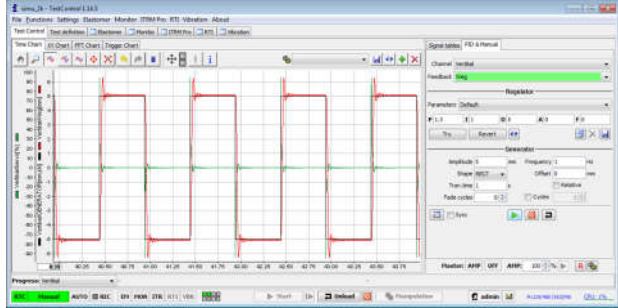
Comprehensive digital real time measure and control system. Developed and manufactured by Inova.

Standard, not proprietary interfaces (Ethernet, EtherCat, CAN, FlexRay, etc.)

Highly scalable hardware. From single channel system up to 64 and more controlled channels with hundreds of measuring channels

Signal sample rate and loop update rate 10kHz independent from the number of channels.

Test Control Software:



Test Control Software

Graphical user Interface to the real time control system EU3000RTC. Running on a Java Virtual machine (Windows).

Powerful event driven test sequencer (Block Programmer)

Basic functions:

- System Configuration
- Virtual Test Rig configuration
- Test Sequence editor
- Data acquisition
- Test Run and visualization

Extensible by Modules like Iteration, Vibration Control, Elastomer etc.