

THE REVOLUTIONARY ENGINEERING PRO SYSTEM (REPS)

YOUR CHALLENGES

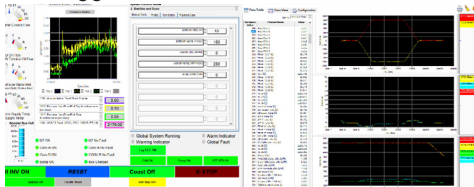
REPS is a highly configurable and easy-to-use test cell automation system, which provides each customer with complete control over every aspect of their test system.

REPS runs and automates different types of tests, including part failures, efficiency, speeds, torques, and impacts. It allows the user to create reports and logs in a range of formats.

It uses a desktop PC with a user interface, a Real-Time Controller (RT) for data acquisition and control, and EtherCAT I/O Chassis(es) for system interfacing. The RT accommodates multiple industrial communication protocols allowing the user to attach a variety of measuring instruments and devices.

CHANNELS

- 10,000 standard channels that can be user modified
- Built-in channel calibration utility
- User defined PID parameters
- Configurable alarm limit and actions
- Configurable low pass filter channels
- Virtual channels: Waveform, Ramp, Integration, Differentiation, Formula, Trigger



COMMUNICATION/ INSTRUMENTATION PROTOCOLS

- CAN, CAN FD, CCP, XCP, FlexRay, ASAP3, UDP, Datasocket, Ethernet-IP, Modbus
- Existing drivers for external instruments
- AVL smoke meter and micro soot sensor
- Yokogawa power meters
- Throttle and shift controllers (supports Modbus, UDP, EtherCAT)
- CAS drivers
- Opdax water-cooled chillers/heaters
- Sorenson power supplies



CORE CAPABILITIES

- Fully configurable control modes
- Configurable displays, buttons, and indicators
- Master Setup which links individual setup files for convenient saving and loading
- HIL simulation
- Customer add-ons through our LabVIEW Plug-in (LVP)
- Road load simulation
- Powerful test profiler
- Playback for importing and replaying field-measured data
- PID control
- Authentication for managing user and access privileges
- Web based and VNC based remote access

REPORTING

- Real time data logging
- Postmortem logging
- Multiple data report formats
 - TDMS
 - Text
 - MS Excel



For more information:



contact@utac.com

Advancing Mobility **since 1924**

YOUR NEEDS

Safer
Cleaner
Regulations
Digital
Tracks

OUR LOCATIONS

USA · UK · France · Finland · Italy · Romania
 Morocco · China · Japan · Korea