



mobility.loccioni.com

# HP COMMON RAIL PUMPS TEST BENCHES



Via Fiume 16  
60030 Angeli di Rosora, Ancona, Italy  
p +39 0731 8161 f +39 0731 814700  
info@loccioni.com - www.loccioni.com

## PUMPS

Throughout the years the Loccioni Group has realized numerous endurance and functional test systems on Diesel Common Rail pumps, on fuel pumps for MPI systems, for fuel ignition pumps, characterization benches for oil pumps, characterization benches for pumps-depressors, endurance test stands in climatic chamber and pressure test benches. The Loccioni Group particularly works on performance tests (torque, flow and prevalence) both in ambient temperature and in high temperature and for the air high pressure tests or with other alternative methods.

The main functions of the system are:

- > Torque measurements.
- > Flow measurements.
- > Back leak measurements.
- > Pressure measurements.
- > Rotation speed measurements.
- > IMV dynamic PWM driver and control.

Other functions of the system are:

- > Loading on pallet.
- > Data reading on pumps label.
- > Data reading on pallet label.
- > Data writing in pallet label.
- > Data exchange with line server.
- > Mechanical shaft adaptor fitting.
- > Hydraulic, electrical connectors dressing.
- > Conveying / pallet moving.
- > Loading of pallet with pump into a machine.
- > Flushing.
- > Distinctly specified (draining operation).
- > Unloading of pallet with pump into a machine.
- > Mechanical shaft adaptor removal.
- > Hydraulic, electrical connectors undressing.
- > Unloading from pallet.
- > Removable fixture adaptable to different types of pumps.
- > Pressure actuator driven at 400 Hz PWM signal.

