

INDUSTRY SOLUTIONS

PLASTICS INDUSTRY (Kistler)

ComoNeo : Real-time measurement of pressure and temperature in molds. Automated control with assistance algorithms and AI-based quality prediction.

OPC UA communication.

ComoScout : Monitoring of non-connected machines via machine signals and external sensors.

Specialized modules available.



ASSEMBLY (Kistler)

Electromechanical servo presses for precise assembly.

maXYmos : Real-time process monitoring and control.

Sensors ensure quality control and traceability.



MANUFACTURING (Kistler)

Piezoelectric technology and high-precision servo presses.

Online control platforms.

Industry 4.0 integration for smart manufacturing.



PROCESS CONTROL (Ascon Tecnologic)

Independent control loops.

PID regulation.

Applications : Bakery, Chocolate, Brewery, Wine production.



LABORATORY SOLUTIONS (R&D)

VIBRATION ANALYSIS (Oros)

Evaluation of vibration signals in rotating components.
Identification of natural frequencies and structural dynamic response.
Engine noise analysis.
Sound propagation and localization studies.
Software : NVGate, ORBIGate, ODS.

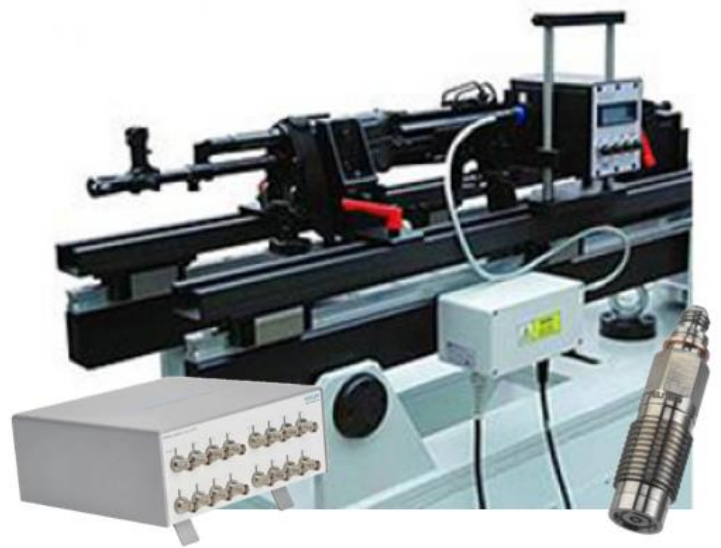


AERONAUTICS – AEROSPACE (Kistler)

Test and measurement systems ensuring reliability, safety, and durability.
Applications: Engine testing, Turbine and rotor monitoring,
Space testing : force-limited vibration, micro-vibration, thermal vacuum chamber, rocket engine testing
Satellite emissivity measurements
Software : KiStudio Lab (KiDaq, LabAmp).

BALISTICS (Kistler)

Ultra-fast pressure and velocity testing.
Impact studies on materials.
Analysis of detonation and powder combustion.
Sensor calibration.
From production monitoring to advanced R&D.
Software : KiStudio Lab, CAL5, KiDynamic.



+32 (0) 87 852 851
info@btfmeasures.be
www.btfmeasures.be





BIOMECHANICS (Kistler)

Motion analysis for gait studies.
Athlete tracking and performance evaluation.
Specialized software for quantitative biomechanical analysis.
Software : MARS, testxpert.
Compatible with motion capture systems.

POWERTRAIN ANALYSIS (Kistler)

Powertrain diagnostics.
Energy flow and performance analysis for engine and transmission systems.
Real-time and test bench data acquisition.
Software : KiBox2 Cockpit.



VEHICLE TESTING (Kistler)

Vehicle dynamics and performance validation.
Multi-channel acquisition : force, acceleration, temperature...
Wheel sensor-based acquisition.
Crash-test analysis.
Software : KiStudio Lab (LabAmp, KiDaq), DynoWare (RoaDyn).



+32 (0) 87 852 851
info@btfmesures.be
www.btfmesures.be



Need advice, information,
or are you looking for a product?

 **Contact us**

We are at your service

Check out our other portfolios

BTF
mesures

PORTFOLIO **INDUSTRY** 2025

MEASURES

ACCELERATION (Kistler)
Wide range : Inclometers, Accelerometers.
Type: Piezo or Strain, Charge or IEPE.
For industrial applications.

TORQUE (Kistler)
Measuring ranges : from 0.2 Nm to 10,000 Nm.
High precision and dynamic performance.
Transmission via slip ring or contactless (Kifort).
For industrial applications, test benches, and R&D.

DISPLACEMENT (Kistler, S2 Tech)
From 10 nm to 750 mm.
Accuracy: linearity $\pm 0.1\%$ depending on the model.
Repeatability up to $\pm 2 \mu\text{m}$.

FORCE (Kistler, S2 Tech)
Piezoelectric technology.
Partially calibrated ranges.
Dynamic and quasi-static measurements.
Standard or custom solutions.

LEVEL (STS, IWT, Nivelco)
Vibrating forks, Rotary paddles, Ultrasonic, Radar.
Level measurement or detection — for liquids or solids.

PRESSURE (Kistler, Ascon Tecnologic)
Piezoelectric technology, wide measurement ranges.
Dynamic and quasi-static measurements.
Piezoresistive technology for static measurements.

TEMPERATURE - HUMIDITY (Prosensoir, LUMEL)
Thousands of references.
Standard and custom manufacturing.
Low and high temperature ranges.

+32 (0) 87 852 851
info@btfmesures.be
www.btfmesures.be

BTF
mesures

BTF
mesures

PORTFOLIO **LABORATORY** 2025

MEASURES

TEMPERATURE CALIBRATION (AOIP)
Wide measurement range and high accuracy.
Use: linearity.
Compatible with DATACAL software.
Portable.

PRESSURE CALIBRATION (AOIP)
Wide measurement range and high accuracy.
Easy to use and calibrate.
Portable and robust.
Calibration certificate included.

MICRO-OHMETER (AOIP)
Ultra-precision measurement : down to $0.01 \mu\Omega$.
Compensation for temperature and electromagnetic forces.
Data storage : memory and transfer.

PYROTECHNICAL (AOIP)
Integrated safety with continuity and insulation testing.
Reliable and safe.
Easy to use.

HIGH DYNAMICS (Kistler)
Explosive measurement (jetting).
ATEX testing.
Internal ballistics.

TEST & MEASUREMENT (Kistler)
Wide measurement range.
Various sensors with piezoelectric technology.
Acquisition systems.

TEMPERATURE & HR & WEATHER (Prosensoir, LUMEL)
Humidity and temperature sensors.
Complete weather stations.

+32 (0) 87 852 851
info@btfmesures.be
www.btfmesures.be

BTF
mesures

BTF
mesures

PORTFOLIO **TAILOR MADE** 2025

PROJECTS

At BTFmesures, each project begins with a rigorous and tailored design phase.
We analyse our clients' specific needs to create efficient, customized solutions.

Analysis
Active listening
Feasibility study
Requirements specification

Design
Proposal of innovative solutions
Functional design
Technical optimization
Selection of best-in-class components

Collaboration and Validation
Regular exchanges with the client
Testing
Competitive solutions

Revamping
On-site intervention
Product return and analysis
Component replacement

Availability, Independence, and Quality are our core values.

+32 (0) 87 852 851
info@btfmesures.be
www.btfmesures.be

BTF
mesures

BTF
mesures

PORTFOLIO **VALVES** 2025

ACTUATORS

Type ASC (Sarasin Actor)
Low Pressure.
Single or Double Acting.
Up to 1,000 Nm.

Type ASV (Sarasin Actor)
Low / High Pressure.
Single or Double Acting.
Up to 300,000 Nm.

Type ARP (Sarasin Actor)
Low / High Pressure.
Single or Double Acting.
Up to 600 Nm.

Type RC (Sarasin Actor)
Low Pressure.
Single or Double Acting.
Scotch Yoke Technology.
Up to 6,000 Nm.

+32 (0) 87 852 851
info@btfmesures.be
www.btfmesures.be

BTF
mesures

www.BTFmesures.be



+32 (0) 87 852 851
info@btfmesures.be
www.btfmesures.be

