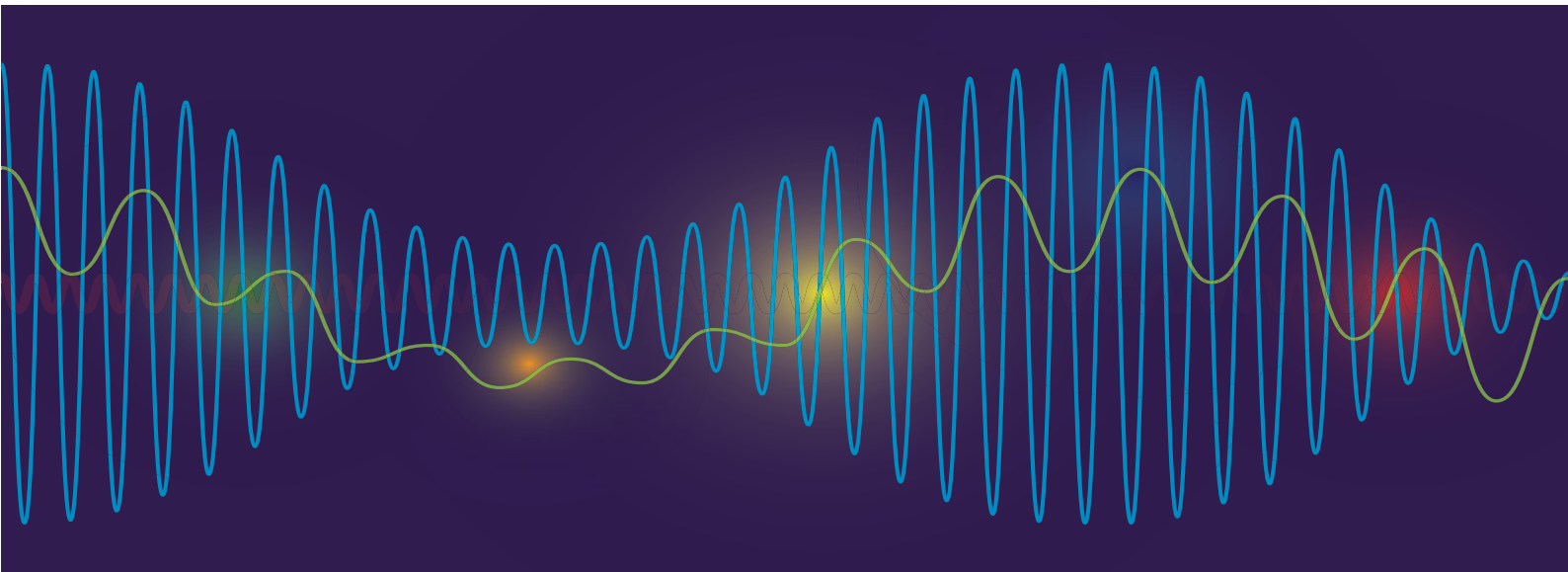




BUTLER
Technologies



TEST & MEASUREMENT SOLUTIONS



**ELECTRONIC & ELECTRICAL
TEST AND MEASUREMENT**



**ENVIRONMENTAL TEST
AND SIMULATION**



TEMPERATURE MONITORING



**PROTOCOL ANALYSIS
OSCILLOSCOPES
GENERATORS**



**CONDITION MONITORING
THERMAL IMAGING
ULTRASONIC NOISE**



**OPTICAL INSPECTION
T&M MONITORING**



**POWER SUPPLY PRECISION
SOURCE & MEASUREMENT**



**TRAINING/RENTAL
SERVICES**

OUR PRODUCTS

Butler Technologies provides solutions for Manufacturing R&D, Education, and life-sciences markets, and supports them with our calibration lab Transtest.

Our solutions cover simple handheld tools to complex monitoring equipment and large environmental test systems.

Our strong quality focused company culture underpinned by trust, integrity and the pursuit of innovation, enables us to consistently deliver and support premium and reliable products to the ever changing markets supported through our partnerships with World-class suppliers.

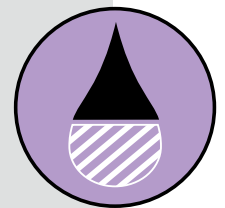
ELECTRONIC & ELECTRICAL TEST & MEASUREMENT



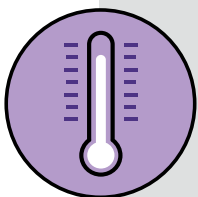
- ▶ Power supply and measurement
- ▶ RF measurement
- ▶ Handheld test tools
- ▶ Integrated test systems
- ▶ DC to 10GHz
- ▶ DC to 40KV
- ▶ High voltage and power
- ▶ Datalogging with IQ/OQ
- ▶ Insulation Testers
- ▶ Vibration Meters
- ▶ Video inspection Cameras

ENVIRONMENTAL TEST AND SIMULATION

- ▶ Environmental Chambers from benchtop to walk-in
- ▶ Temperature and Humidity
- ▶ Thermal, Ultrasonic and Noise
- ▶ Gas detectors
- ▶ Humidity Meters
- ▶ Stability testing and stress testing
- ▶ From small lab to large scale production
- ▶ Hand held thermal cameras up to facility wide systems



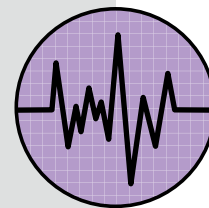
TEMPERATURE MONITORING



- ▶ Automated monitoring
- ▶ Ranges -200°C to +200°C
- ▶ Complies to 21CFR Part11
- ▶ Wireless Sensors
- ▶ Data Held for 30 years
- ▶ CO2, O2, Water Baths, Incubators & Humidity sensors available
- ▶ Access to reports 24/7/365
- ▶ Text, Phone & Email alerts
- ▶ Full Validation to incl. IQ/OQ

PROTOCOL ANALYSIS, OSCILLOSCOPES, GENERATORS

- ▶ Simple oscilloscopes to multichannel MSO scopes which can be integrated with Protocol analysers
- ▶ Precision Signal Generators
- ▶ 8 Bit and 12 Bit High Definition
- ▶ Scopes from 40MHz to 1GHz
- ▶ Protocols including USB 2,3, SAS, SATA, LIN, CAN, DDR4 I2C-SPI-UART-RS232, FlexRay
- ▶ Signal generation from DC to RF, Optical



CONDITION MONITORING, THERMAL IMAGING, ULTRASONIC, NOISE



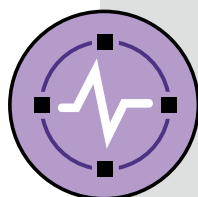
- ▶ -40°C to +2000°C
- ▶ 0% to 98% RH
- ▶ Single to plant wide systems.
- ▶ Automatic to operations center and remote monitoring
- ▶ Calibrated and certified
- ▶ Handheld test instruments
- ▶ Laboratory test systems
- ▶ Automation test systems
- ▶ Remote control and Datalogging

OPTICAL INSPECTION, T&M, MONITORING

- ▶ Individual and MPO inspection.
- ▶ Fibre test systems
- ▶ Factory, installation and maintenance
- ▶ Standalone or integrated with test tools
- ▶ Fiber network monitoring
- ▶ Fiber microscopes
- ▶ Optical power source and measurement
- ▶ Certified testing physical and functional
- ▶ Network testers, interface to handheld tools
- ▶ Optical Systems
- ▶ Fibre Training Services



PRECISION POWER SUPPLY SOURCE & MEASUREMENT



- ▶ DC and AC
- ▶ μ V to 30KV single and multiple
- ▶ fA to KA
- ▶ Source and Sink
- ▶ Measurement of power in complex systems
- ▶ Replication of power for testing

TRAINING, RENTAL, SERVICES

- ▶ Short term and long term rental
- ▶ Training on rented equipment
- ▶ Certified training for approval
- ▶ Replacement equipment during calibration when available
- ▶ Training courses provided by Butler Transtest, and equipment suppliers either at our training facility in Maynooth or on customer premises. Courses from one day introduction up to internationally recognized courses with international training partner organisations.



STAY CONNECTED

OUR CORE PRINCIPALS



DELTA
ELEKTRONIKA



KELSIUS



OUR OTHER DIVISIONS

SECURE SOLUTIONS:

Thermal Cameras,
Tactical Communications,
Tactical Power Solutions,
Tactical Ruggedised Computer Systems,
Cyber & IT Security Solutions,
RF Signal Analyzers,
Simulated Training & E-Learning,
Camera Systems

INTERCONNECT SOLUTIONS:

Active Optical Cables,
Passive Optical Cables,
Audio Broadcast Products,
Batteries, Power,
Fibre Cleaning Tools,
Connector, Identification solutions,
Power

CALIBRATION MANAGEMENT:

Electrical - Measure 0 to 6 kV Generate 0 to 6 kV,
RF- Measure up to 18 GHz Generate up to 4 GHz,
Temperature - -80°C to 600°C,
Torque - From 0.5 N.m to 1000 N.m,
Pressure - Hydraulic (oil) 0 Bar to 580 Bar
Pneumatic (air) -1 Bar to 120 Bar



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