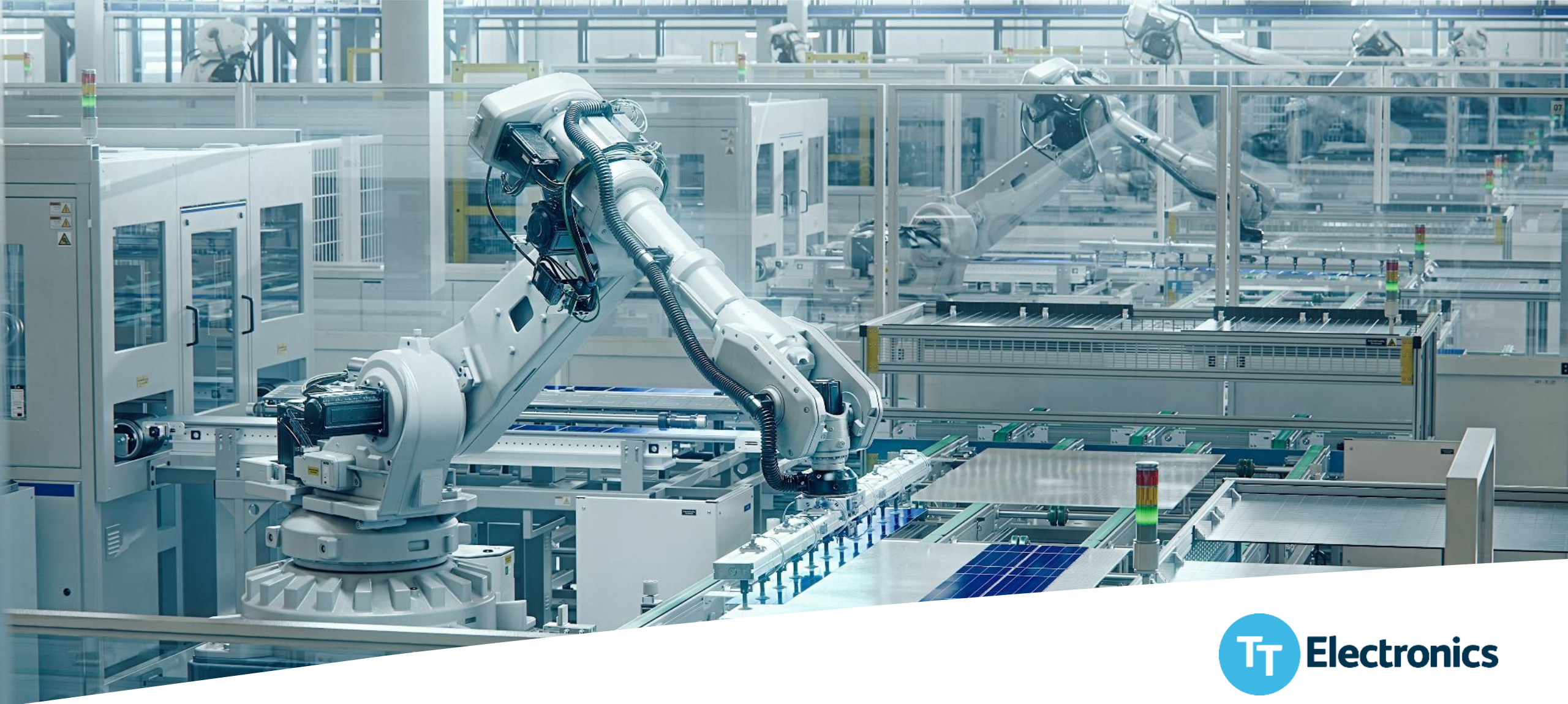
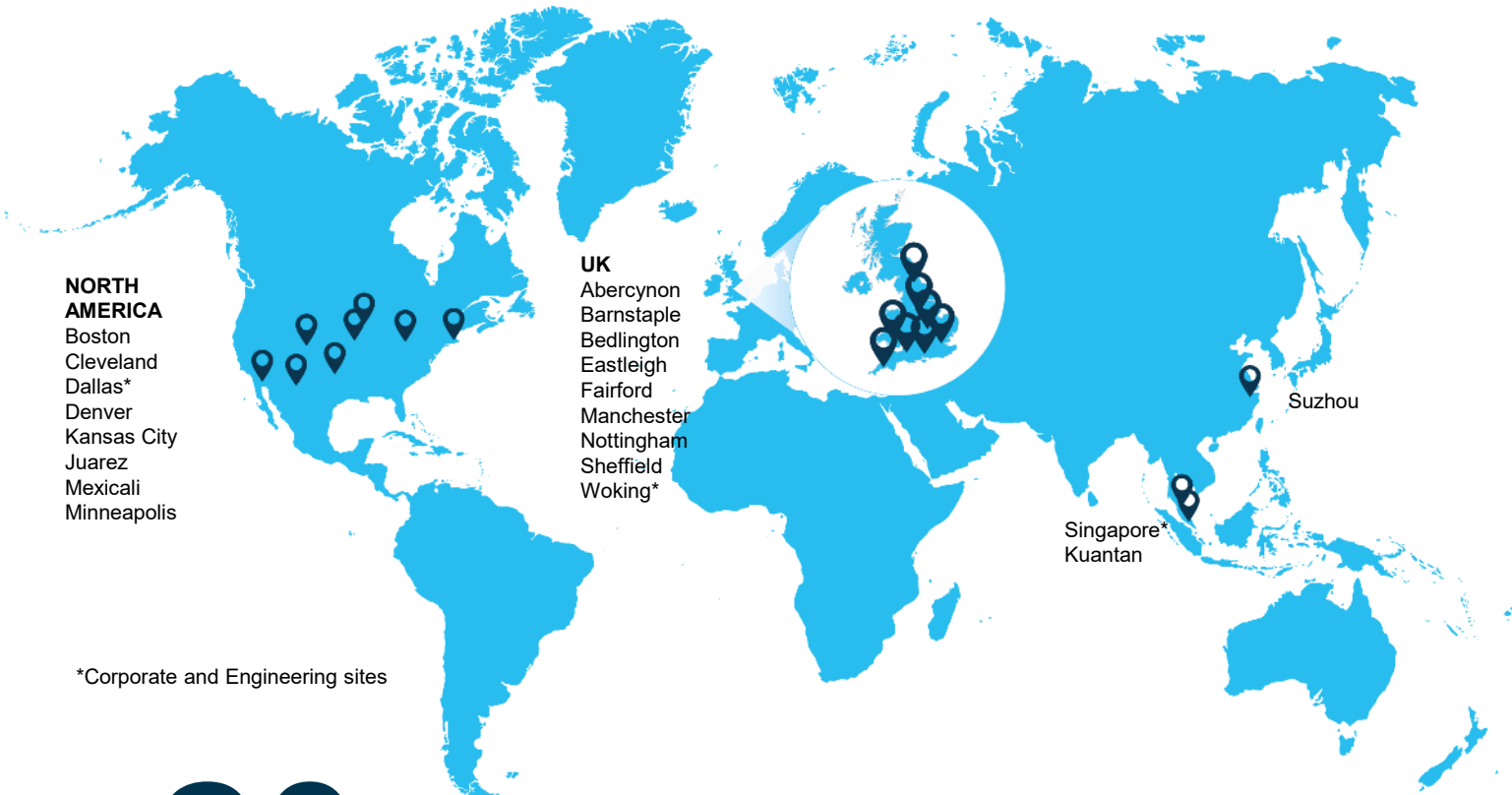




COMPONENTS DIVISION OVERVIEW

2026

GROUP OVERVIEW (POWER, EMS & COMPONENTS)



*Corporate and Engineering sites

20
Facilities

 **c. 4,000**
Global Employees

 **£481.4M**
Revenue (FY2025. TTG:LSE)



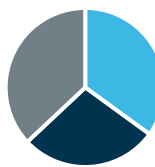
Engineering
Custom Engineering, New Product Introduction, DFX/DFM, PCBA Prototyping, VA/VE.



Global Manufacturing
From PCBA to full scale production and test of complex systems.



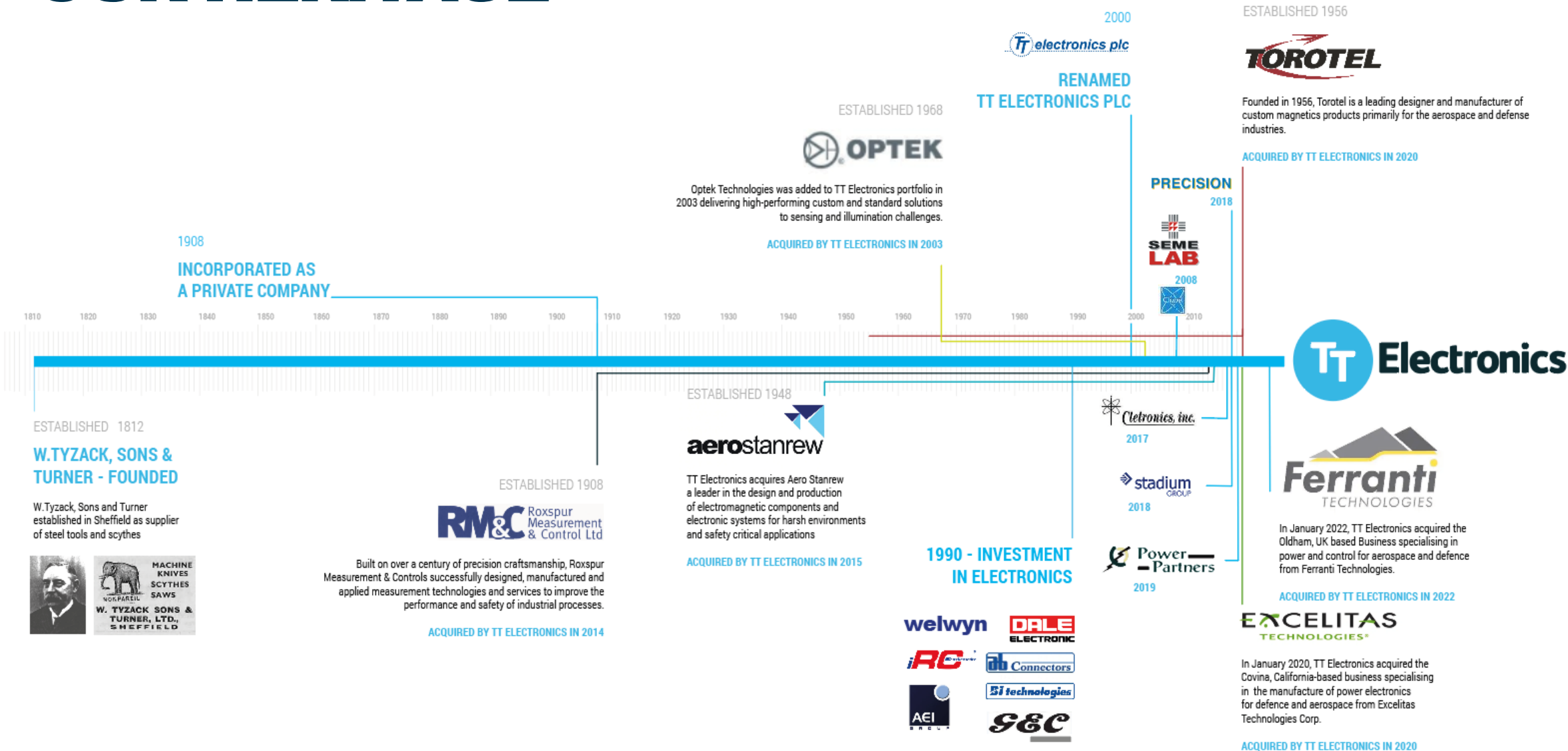
Products & Solutions
Complex Electronic Assemblies, Power Conversion, Sensors, Electromagnetics, Optoelectronics, Passive Components, High Level Assembly.



Group Revenue
36% North America
34% Europe
30% Asia

Quality Certifications ISO 9001, ISO 13485, AS9100/D, ISO 14001, Nadcap, ITAR, FDA Registered, FAA Repair Station, SC21, Joscarr

OUR HERITAGE



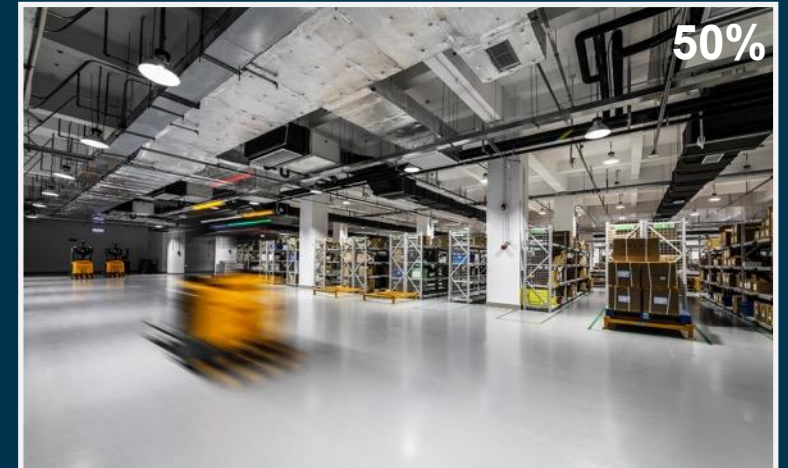
OUR MARKETS & CUSTOMER PARTNERSHIPS



HEALTHCARE



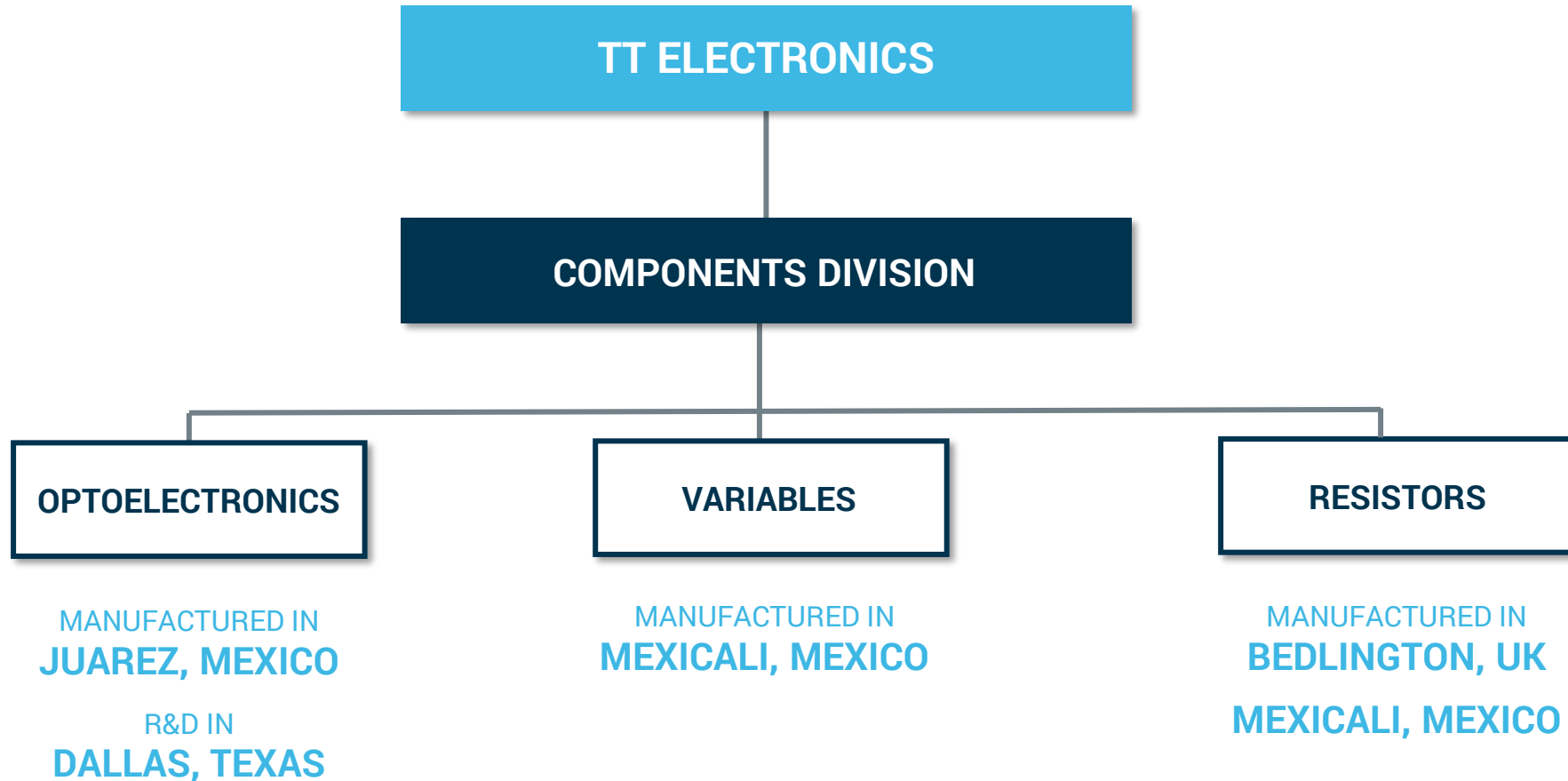
AEROSPACE & DEFENCE



AUTOMATION & ELECTRIFICATION



COMPONENTS DIVISION STRUCTURE





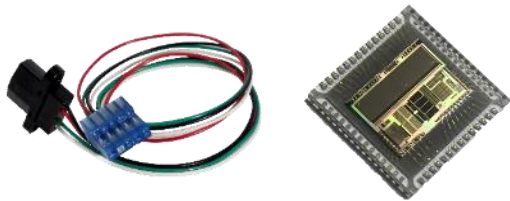
PRODUCTS & SOLUTIONS

Components Division

OUR PRODUCT RANGE

Our extensive portfolio of component products includes a wide range from proximity and position sensors, to highly-engineered passive components for critical applications.

OPTOELECTRONICS



RESISTORS



POTENTIOMETERS & TRIMMERS



EPS SENSORS



Commercial-Off-The-Shelf. Custom. Assured Global Availability.

OPTOELECTRONICS

ADVANCED COMPONENTS

CUSTOM ASSEMBLIES

HYBRIDS

HIGH-RELIABILITY SENSORS AND SWITCHES

KEY FEATURES

- Analog, digital and logic outputs
- Easy installation
- Miniature packages
- Surface mount devices
- Wide temperature range

- Turn-key solution
- Design flexibility
- Non-contact sensing
- High-voltage isolation
- Application-specific

- Large operating temperature range
- Tight tolerances, small size for high precision equipment
- Low cost customization
- Compact SMD package

- Hermetically sealed
- 100% testing and inspection
- TX, TXV, B, S, & ESA screening
- ITAR registered with MLA
- US QML certified

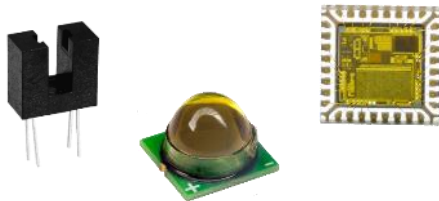
APPLICATIONS

- Factory automation and robotics
- Data detection
- Optical encoders
- Video surveillance

- Factory automation
- Printers, copiers, gaming
- Security
- Medical equipment
- Fluid sensing

- Machine automation
- Patient monitoring
- Optical Encoders
- Particle Counters
- Tissue oxygenation

- Aircraft and satellites
- Guided space vehicles
- UAVs and unmanned systems
- Power generation
- Vision systems



VARIABLES

NON-CONTACTING & CONTACTING STEERING SENSORS

- Torque and multi-turn outputs
- Easy push-on assembly
- Accurate diagnostic data
- No degradation over life

- Electric power steering for automotive passenger cars, off-road and utility vehicles



NON-CONTACTING & CONTACTING POSITION SENSORS

- Long life (100M+ rotations)
- Precise accuracy (± 0.25 - 0.5%)
- No degradation over life
- Minimal repair/maintenance

- Industrial wind vanes, joysticks, motors, robotics
- Aerospace vision and flight control
- Medical monitoring systems



POTENTIOMETERS

- Rugged designs
- High-reliability and precision
- Harsh environment immunity
- Minimal repair/maintenance costs

- Welders, irrigation control
- Defence nuclear reactors and fly-by-wire cockpit control
- Medical pumps and blood analysers



TRIMMERS

- Compact package options
- TH or SM
- RoHS compliant
- Wide selection of resistance ranges

- Industrial control panels, power supplies, and amplifiers
- Medical hearing aids and patient monitoring devices



KEY FEATURES

APPLICATIONS

RESISTORS

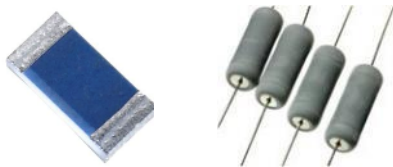
SIGNAL CONDITIONING

KEY FEATURES

- All thin film technologies
- Precision wirewound
- Stability & reliability
- Custom network design / design-in ease

APPLICATIONS

- Instrumentation & measurement
- Energy metering
- Precision Amplifier Gain Control
- Military / aerospace



POWER MANAGEMENT

- Wide range of styles
- High Power and High Voltage
- Stability and reliability
- Flameproof construction

- Motor dynamic braking
- Heaters
- Power supplies
- Circuit breakers
- EV & HEV BDU & pre-charge



CIRCUIT PROTECTION

- Pulse withstanding SMD
- Fusible Resistors
- UL recognised and EN safety approvals
- Customisation and testing

- Inrush & surge protection
- Medical monitors
- Motor drives
- Battery chargers
- Lightning strike suppression

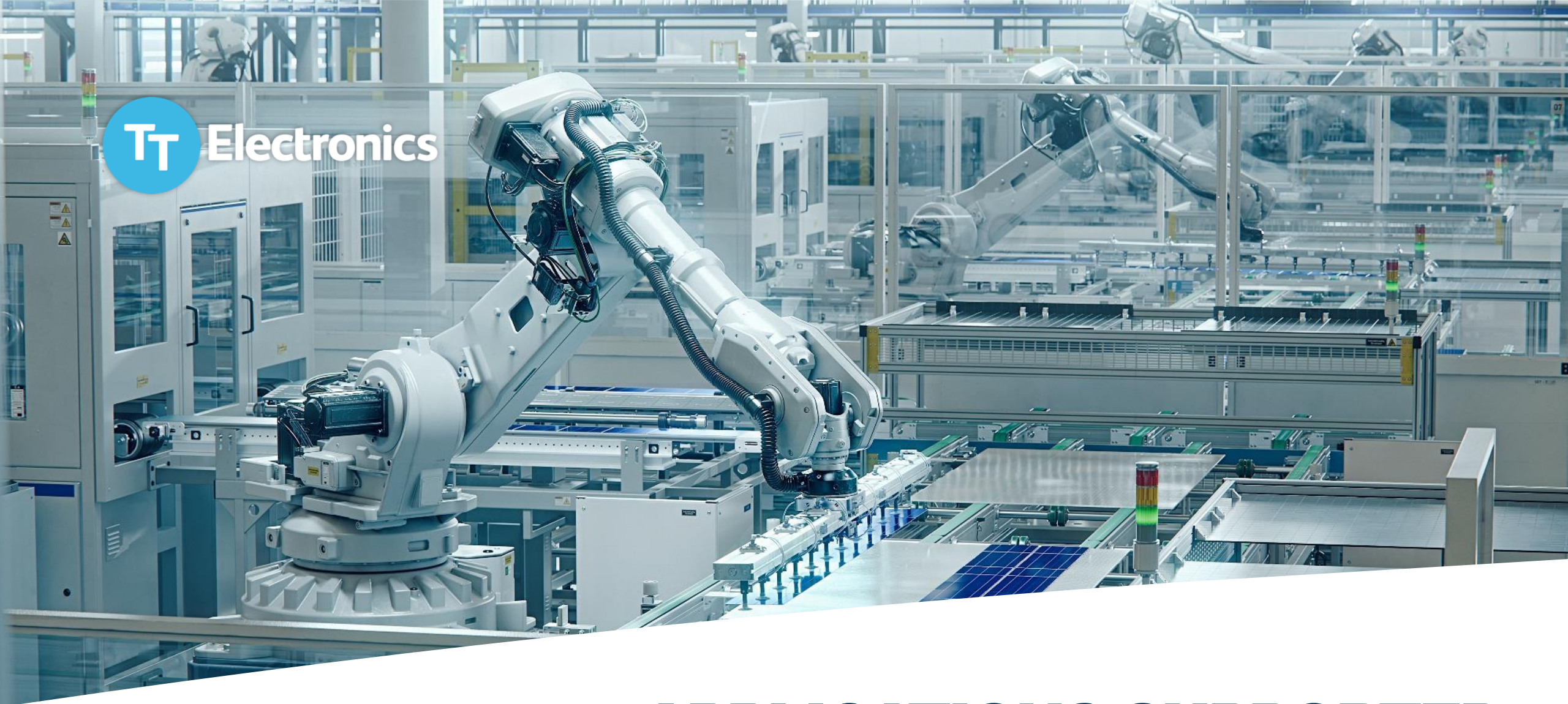


CURRENT SENSE

- Ultra-low ohmic values & ratings to 100A
- Compact SMD, TH, & 4-terminal
- Minimised energy waste and accurate energy monitoring

- Battery Management Systems
- Automotive body control
- Power supplies and energy metering
- Power tools
- Portable electronics





APPLICATIONS SUPPORTED

Components Division



MEDICAL

- Defibrillators
- Ventilators
- Tissue Oxygenation
- Immunodiagnostic Instruments
- Heart monitors
- X-rays
- Anesthesia Machines
- Laboratory Equipment
- CT and MRI Machines
- Precision and Infusion Pumps
- Circuit Isolation
- Therapeutic drug monitoring
- Gene sequencing
- Immuno-Assay
- Custom Design Service



AEROSPACE & DEFENCE

- Precision-guided Military units
- Commercial and Aircraft Flap, Stability and Cockpit Controls
- Satellites and Space Vehicles
- Military Vehicles
- Military Joy Sticks
- Home and End-of-Travel Sensors for Military Vehicles
- RPM Sensors on Speedometers
- Ignition Timing on Automotive Engines
- Wide Operating Temperatures
- Rad Hard Tolerant Devices
- Telemetry Measurement
- Dynamic Braking
- Surveillance, Vision and Communication
- Custom Design Service



AI & DATA INFRASTRUCTURE

- Voltage Regulation
- Current Sensing
- UPS/BBU Monitoring
- Hot-swap Control
- DC-DC Regulation
- Fan Speed Control
- Thermal Sensing Networks
- CPU/GPU Voltage Scaling
- Signal Termination Networks
- Optical Isolation
- Fault Protection Circuits
- Storage Power Management
- Status LED Indication
- Optical Interlock Sensing
- Custom Design Service



INDUSTRIAL

- High Temperature Operations
- ATMs and POS/cash Management Equipment
- Factory Automation
- Instrumentation
- Office Equipment
- Badge and Credit Card Printer
- Package and Letter Sorting
- Power Generation, Distribution, Supplies and Tools
- Appliances
- Robotics
- Edge Detection
- Test and Measurement
- Particle Detection and Counting
- Position Sensing and Speed Controlling
- Custom Design Service



TRANSPORTATION

- Electric and Hybrid Vehicles
- ATV and Off-road Vehicles
- Passenger Cars
- Rail
- Farm Machinery
- Forklifts and Material Handling Equipment
- Utility Vehicles
- Battery/Charging Systems
- Electric Power Steering
- Noise Filtering
- System Diagnostics
- Power Measurement and Management
- Engine, Brake, Pedal and Speed Controlling
- Custom Design Service



OUR FACILITIES

Components Division

BEDLINGTON | RESISTORS

UNITED KINGDOM

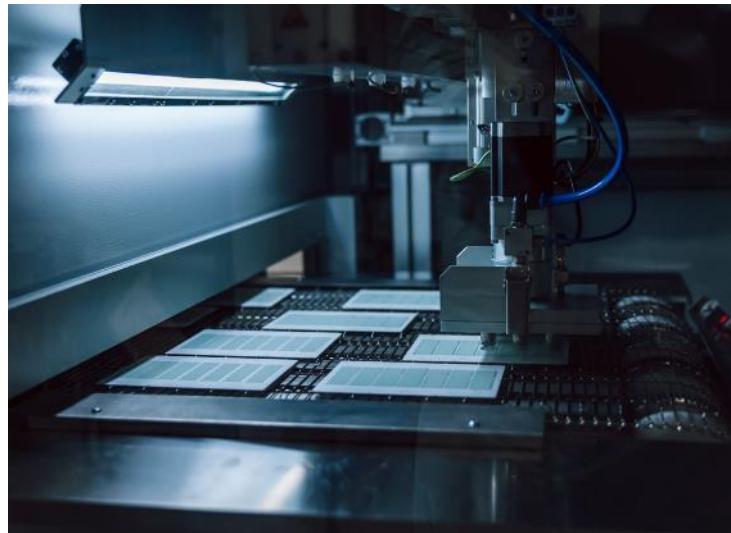
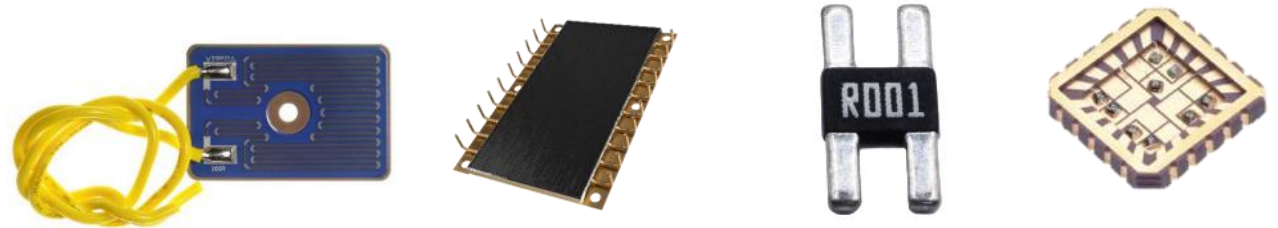
Overview:

1990	9,290 SQM	200+
Established	Footprint	Employees

Certifications:

ISO9001, AS9100, SC21 ADS Supply Chain

With seamless transition from prototype to full-scale production, we ensure precision and quality every step of the way. We are a partner you can trust for passive components, designed to withstand the toughest environments.



JUAREZ | OPTOELECTRONICS

MEXICO

Overview:

2003

Established

11,148 SQM

Footprint

350+

Employees

Certifications:

ISO9001, ISO-TS 16949, ITAR, ANSI/ESD
S20.20-2014

Our sensors are expertly designed to control the movement of robotic arms, ensuring precise manoeuvrability on the Martian surface. Using innovative processes such as surface mount technology and plastic injection moulding, we maintain high-performance standards. With in-house moulding capabilities and careful assembly - both manual and semi-automated - each sensor is crafted with precision to support successful exploration missions.



MEXICALI RESISTORS & VARIABLES

MEXICO

Overview:

1980	14,107 SQM	250+
Established	Footprint	Employees

Certifications:

ISO9001, IATF16949, ISO13485

Specialising in vertical integration to excel in harsh environments and regulated markets. We specialise in producing fixed resistors, potentiometers, trimmers, and automotive and industrial sensors. Our capabilities include engineering, assembly, comprehensive testing solutions, and seamless integration to meet rigorous industry standards.



Thank you

TT Electronics plc

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www.ttelectronics.com

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