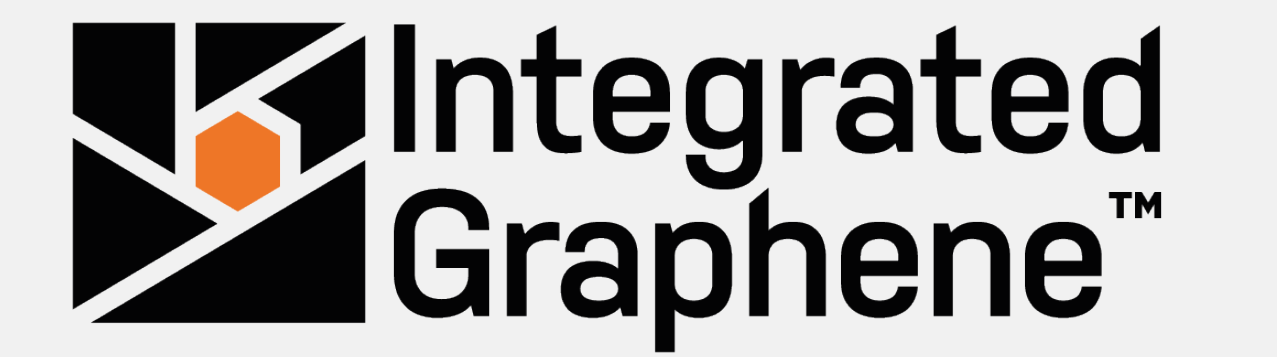


# Our Periodic Table

THE ELEMENTS OF GII™



\*STANDARD OR LOW RESISTANCE, POLYIMIDE SUBSTRATE

Screen Printed Carbon Connectors	Fe <sub>x</sub> O <sub>y</sub> Coated, with Screen Printed Silver Connectors and Dielectric	
Screen Printed Silver Connectors	MnO <sub>2</sub> Coated, with Screen Printed Silver Connectors and Dielectric	Screen Printed Silver Connectors and Dielectric
Functionalised with -NHS	Functionalised with -COOH	Functionalised with -But-OH
Coated with PVA/NaClO <sub>4</sub> Gel	Screen Printed Carbon Connectors and Dielectric	Bmim-BF <sub>4</sub> /Silica Gel

Our Gii™ Technologies\*

Magnetic Permeability	Wettability	Chemiresistive
Surface Roughness	Areal Density	Hall Effect
High Electrochemical Response	Thermoresistive	Antifouling
Fast Electrochemical Response	Piezoresistive	Chemical Corrosion Resistance
Areal Capacitance	Temperature Stability	Triboelectric
3D Nanoporous Material	P-Doped Semiconductor	High Electrochemical Active Area

The Properties of our Gii™

Electrical Engineers	
Biochemists	
Data Scientists	Optical Engineers
Nano-technologists	Electrochemical Scientists
Quality Engineers	Process Engineers
Material Scientists	Product Designers
Mechanical Engineers	Material Engineers

Our Integrators

		Process Excellence	ISO:9001 2015
	Electronic Integration and Testing	Heat Treatment/Stabilisation	Microfluidic Prototyping
Electrochemical Testing	Rapid Product Prototyping	FDM 3D Printing	SLA 3D Printing
Temperature Testing	3D Modelling (Software)	Laser Depth Profiling	Scanning Electron Microscopy
Robust Quality Control	Robust Quality Assurance	Raman Spectroscopy	Optical Microscopy
Automated Screen Printing	Automated Microfluidic Dispensing	CNC Milling	Electrochemical Deposition
Assay Development	High Precision Singulation	High Speed Gii Manufacturing	Energy Dispersive X-Ray Spectroscopy

Our Enabling Capabilities

				Polymer Film Capacitors
			Supercapacitors	Printed Batteries
	Photocatalyst Material for Hydrogen (H <sub>2</sub> ) Production	Hydrogen (H <sub>2</sub> ) Production	Ammonia (NH <sub>3</sub> ) Production	Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) Production
	Battery Electrodes	Flexible EDL Transistor	Food Testing	Animal Testing
Passive Component for Printed Electronics	Bio-Sensors	Tactile Sensors	Electrochemical Sensors	Chemiresistive Gas Sensors
Electrical Soft Actuator	Humidity Sensors	Pressure Sensors	TENG Energy Generator	Self-Powered Pressure Sensors
Flexible Heaters	Heavy Metal Ion Sensors	ECG Sensors	Gas Sensors	Temperature Sensors

Applications Gii™ Revolutionises

- TRANSDUCER MATERIAL
- ACTIVE MATERIAL
- SOLID ELECTROLYTE
- ANODE/CATHODE MATERIAL
- CATALYST SUPPORT MATERIAL