Capabilities

Aero Stanrew now part of TT Electronics, based in the South West of England, specialises in the design & manufacture of ruggedised electromagnetic components and electronic systems for harsh environments and safety critical applications.

Electromagnetic Systems

Aero Stanrew designs, develops & manufactures custom magnetics and electromagnetic systems for use in high reliability, high integrity applications.

**Power range: up to 10kVA**

Environmental capabilities

- Temperature: -55°C to 240°C
- Pressure: 10% above atmospheric down to zero
- Vibration: 6g rms (using local sub-contract test-house)
- Shock: 25g peak (using local sub-contract test-house)

Power transformers / inductors / chokes

- Linear and toroidal
- Single and 3 phase
- Custom switch mode and 50Hz to 400Hz
- Power supplies / transformer rectifier assemblies
- Fly out lead

Current transformers/sensors

- Available in air core, ferrite core, etc.
- Available in customized, standard & potted designs
- Through hole and SMD, vertical & horizontal PC mounting styles
- Linear and Toroidal

Actuation

- High integrity contactors and current relays
- Motor Windings

Position sensors

- Hall effect
- Linear and angular

Filter components & assemblies

- SMD
- Common mode
- High current (up to 300A)

Reverse engineering / product development

Aero Stanrew is now part of TT Electronics
Gratton Way, Roundswell Industrial Estate, Barnstaple, Devon, EX31 3AR.
01271 341300 quotes@aerostanrew.co.uk

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PCB Assembly
- Surface mount PCB Assembly
- Through hole PCB Assembly
- Prototype support / new
- PCB layout design
- Design for manufacture & design for test

Panel design and build
- Panel wiring assembly
- Power installation circuitry
- Custom cabling
- Heat management

Cable & wiring loom assembly
- Wiring harness / loom assembly using fully trained wiremen
- Harness design using Tyco HarnWare
- Cable Assembly

Circuit breakers

Cable wiring, panel design and build
- Panel wiring
- Modular sub rack manufacture
- Sub rack installation (backplanes, daughter cards)
- Power installation
- Custom cabling
- Power configuration
- Heat management
- Systems integration
- Telecommunications cabinets
- Bespoke test equipment
- Simulation equipment

Racks and sub-rack systems
- Modular sub rack manufacture
- Standard sub rack manufacture
- Simulation and test equipment
- Cabinet design
- Telecommunications cabinet assembly
- Build to print capacity
- Metalwork expertise
- Painting
- Screen printing
- Labelling

Test interface systems
- Test solutions for aerospace, defence, oil and gas, and industrial
- Test benches
- Test rigs for laboratory use, N.I. Labview
- Test solutions partnerships with national instruments abs view

Telemetry systems
- Test solutions for aerospace, defence, oil and gas, and industrial
- Test benches
- Test rigs for laboratory use, N.I. Labview
- Test solutions partnerships with national instruments abs view

Facilities
- CMM/OGP Inspection
- AOI PCB inspection
- Electronic Magnification
- Environmental testing
- Pick and Place
- Tyco HarnWare for cable harness design
- ESD and cleanroom facilities
- Solvent and aqueous cleaning for board assemblies
- Toroidal and Linear winding
- Vacuum casting and varnish impregnation

Engineering design
- Solidworks 3D CAD
- Creo 2 3D CAD
- PADS PCB design
- Altium PCB design
- AutoCAD 2D CAD
- Tyco HarnWare for cable harness design

Accreditations & Memberships

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