

PSL Assemblies Limited,

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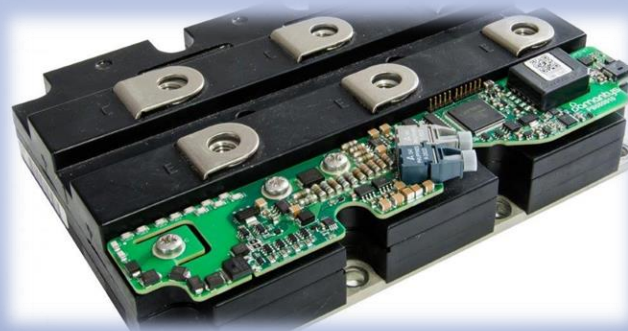


Member

The National
Skills Academy
NUCLEAR



PSL Assemblies Limited design and manufacture bespoke IGBT stack assemblies with engineered thermal management solutions & gate drives.



IGBT based stacks from H-bridge to Full Inverter configurations are designed and manufactured in-house to individual customer requirements – incorporating a range of forced air, natural air and liquid cooling methods.

Our unrivalled technical experience in the manufacture of IGBT Stack Assemblies enables us to produce excellent quality Single Switch, Dual Switch, Chopper and Half Bridge IGBT assemblies.

All electrostatic-sensitive products are checked and assembled in our Electrostatic Protected Area, allowing us to supply high quality IGBT assemblies which meet the most rigorous of safety and quality requirements.



Our preferred partner suppliers are:

- Infineon for IGBT modules
- Amantys for gate drives



- However, we can supply all other quality brands and specifications of IGBT modules & gate drives upon request.

In-house manufacturing capability at PSL:

- CNC Machining – 7x Vertical Machining Centres
- Prototype/Conventional Machining
- Bonded-fin heatsink assembly
- Cold-plate pipework pressing & assembly
- Electro-mechanical manual assembly
- Electrostatic-protected (EPA) assembly
- CMM – Faro Arm measurement
- Factory acceptance testing
- Liquid-pressure testing for cold plates

The logo for FARO, featuring the word "FARO" in a bold, white, sans-serif font with a registered trademark symbol (®) to the right, set against a dark blue rectangular background.

FARO®

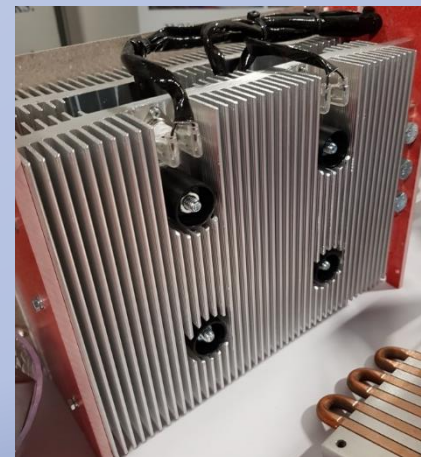
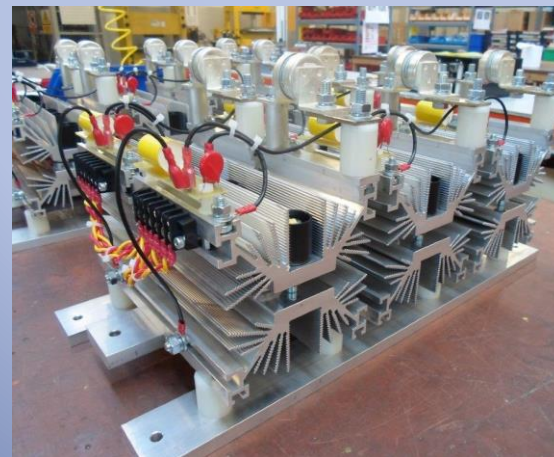
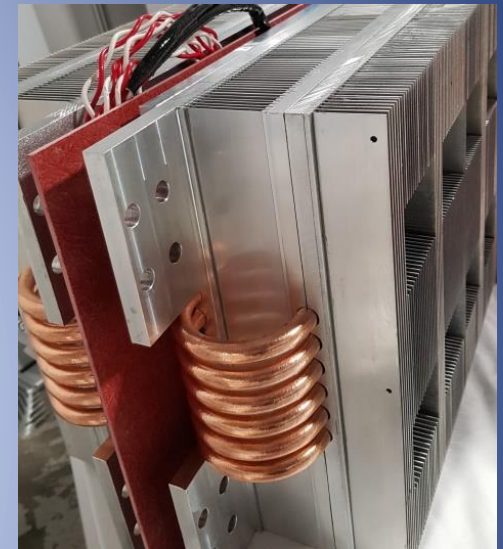
Quality Management & Accreditations

- ISO9001:2015 and ISO14001:2015
- NAMRC – Fit 4 Nuclear accreditation
- IPC/WHMA-A-620 Application Specialist
- IPC/WHMA-A-620 Certified In-House Trainer
- NSAN Nuclear Skills Training
- CMI Management and Leadership Training
- 5S, LEAN and client-specific QA procedures
- CMM Faro-Arm measurement
- ANSYS digital thermal analysis
- AUTODESK Inventor 3D CAD design



Other products manufactured by PSL Assemblies:

- Diode and Thyristor Stacks
- IGBT H-Bridge and Full Inverter IGBT stacks
- Rectifier and Inverter sub-assembly
- Static Transfer Switches up to 6000A
- Proportional Thyristor Controllers
- Box-builds and Enclosures
- Isolation Cells



Why choose to work with PSL Assemblies?

- 45 years of experience in Power Electronics
- Exemplary customer service
- Prompt response to enquiries
- Robust quality procedures
- Flexible and agile
- Solution-driven approach
- Expert technical consultancy
- Diverse range of manufacturing capability
- Easy to do business with



Thank you for your interest in PSL Assemblies Ltd

For all enquiries, please contact:

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