



Triangle

Electronic Services

Contract Electronics Manufacturing





Flexible Electronics Manufacturing Solutions

Triangle Electronic Services has established an enviable reputation as a totally flexible, high quality Contract Electronics Manufacturing company.

The company strives to consistently exceed its customers' expectations. By focussing on customer-specific electronics manufacturing services, Triangle Electronic Services offers a complete manufacturing solution.

Triangle Electronic Services has over 10 years experience servicing a diverse and loyal customer-base with high quality Electronics Manufacturing Services.

Triangle has established itself as a highly flexible manufacturing company focussed on low-to-medium volume, high-mix production of printed circuit board and electro-mechanical assemblies. In addition to this, the company offers a rapid-prototyping service, allowing the quick-turn manufacture of one-off or ultra-low volume builds.

Based in Hook, Hampshire, the manufacturing facility has fully-automated production, inspection and test equipment. This, combined with a team of highly-trained and experienced staff, enables Triangle to service leading-edge technology, research and design companies across a broad spectrum of industries and markets.

Markets

- Aerospace
- Defence
- Security
- Industrial
- Communications
- Transportation

Capabilities

- Surface Mount Assembly
- Conventional PTH Assembly
- Electro-Mechanical Assembly
- Box-Build and Integration
- Repairs and Rework
- Test and Inspection



PCB Assembly

Triangle Electronic Services has many years experience in PCB assembly. The component placement capability includes all common package types;

- Package size to 0201
- QFP
- BGA and Micro BGA
- CSP
- Flip Chip
- CGA and LGA

Hand Placement

Complementing the flexibility and capacity offered by 4 automated surface mount lines, Triangle Electronic Services has a dedicated hand assembly manufacturing department, with a team of experienced and highly trained operators, whose eye for detail ensure the highest standards of workmanship.

In addition to the conventional PCB assembly capability, Triangle Electronic Services has experience in working with different technologies and materials:

- Flexible
- Flex-Rigid
- Insulated Metal Substrate (Aluminium)

Cable Assembly

Triangle Electronics Services is experienced in the manufacture of cable assemblies in most common termination types;

- IDC
- RF
- Co-axial
- Crimp
- Wire Wrap.

In addition to simple, stand-alone cable assemblies more complex looms and wire harness can also be catered for.



Electro-Mechanical Assembly

Triangle Electronic Services' electro-mechanical department has a wealth of experience in the manufacture of simple, sub-assemblies through to box, chassis and full-product build. Triangle has long established links with supply-chain partners providing moulded-plastic enclosures, custom-metalwork, racks and chassis components.

Test Engineering

The capability of the Test Department allows for all levels of customers' test requirements. From simple power-on tests through to full functional testing at either board or finished product level, Triangle Electronic Services test engineering expertise will guarantee your products functionality and quality.

Repairs and Rework

To support product life-cycles, Triangle Electronic Services offers repair and rework capability to its customers. This includes the removal and replacement of BGA devices utilising specific infra-red rework and optical inspection equipment.

Quality

Triangle Electronics Services is committed to developing a continuous improvement culture within the entire business. The company operates an ISO9001:2000 accredited quality management system, as well as manufacturing to the highest industry recognised workmanship standards.





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