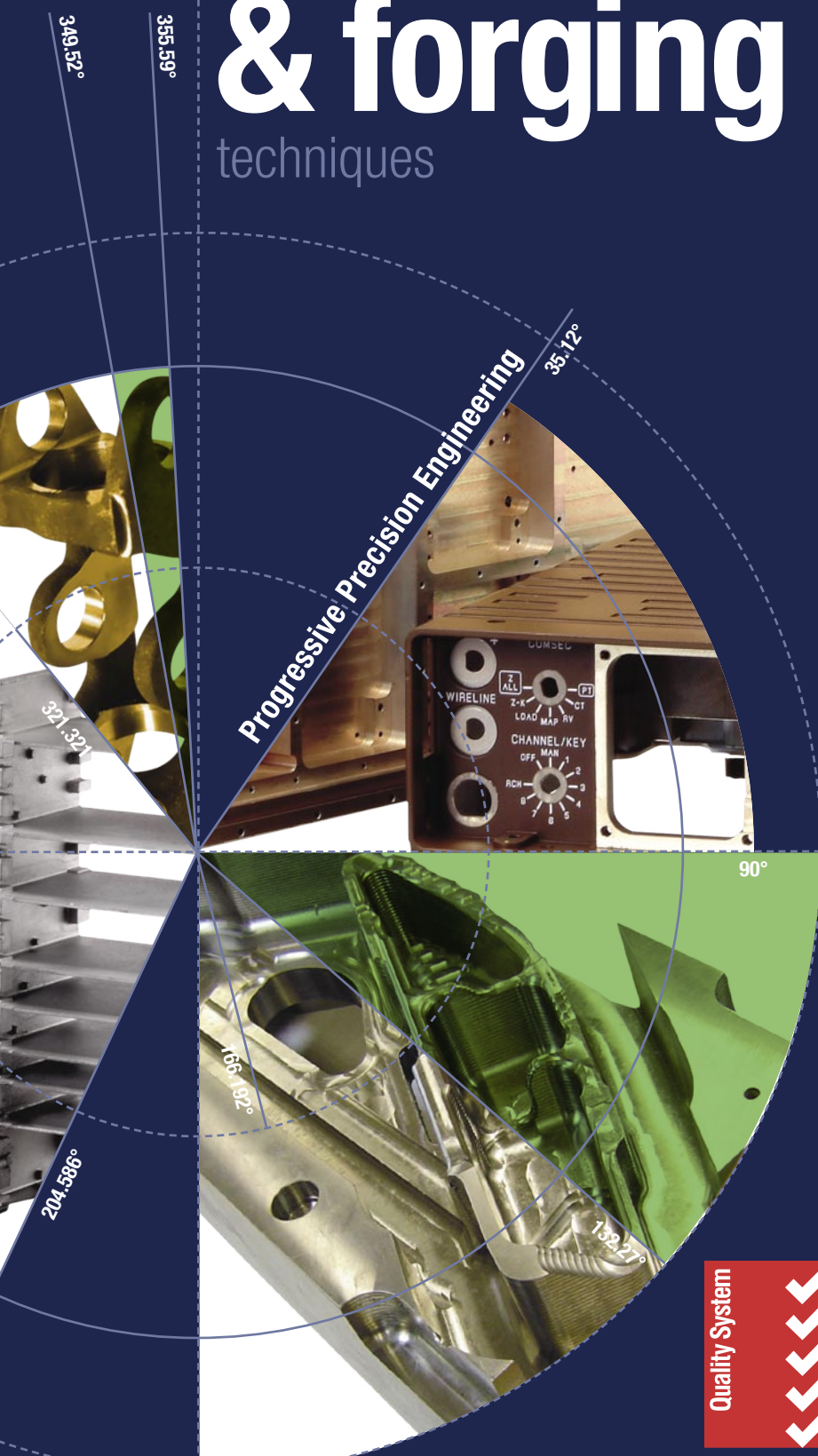


Promoting the best

casting & forging

techniques



LOVITT TECHNOLOGIES AUSTRALIA

Lovitt Technologies Australia has extensive experience in machining castings and forgings to suit the requirements of the aerospace, defence, communications and medical industries.

We offer a single point of service for customers' casting and forging requirements, to ensure a timely and cost effective solution. Based on the product's design specification, end-use and operational constraints, Lovitt Technologies Australia will select the appropriate casting or forging technology, and then source appropriately from local or international suppliers.

Castings

Lovitt Technologies Australia is fully conversant with the range of casting technologies, and their application to ferrous, non ferrous, aluminium, stainless steel and titanium materials.

- **Sand casting:** With widespread use, this technique is well developed and relatively inexpensive – in both component and tooling costs. The process is suitable for ferrous and non-ferrous metal castings, and is the most flexible in terms of the size and range of products which can be produced.
- **Investment casting:** Investment casting offers the benefits of high quality surface finishing and dimensional accuracy. This technique facilitates greater design flexibility, as castings can be produced which reduce the need for machining complex geometries. The process is suitable for casting a broad range of metals. Lovitt specialises in the machining of thin-walled investment castings.
- **Die casting:** Due to the high cost of designing and producing moulds, die casting is best suited to high production-volume applications. The process is most suitable for non-ferrous materials.

Forgings

Forgings, including those produced by hot or cold-forging techniques, can also be machined by Lovitt Technologies Australia.

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