

Rapid Manufacturing

ENVIZAGE is a specialist in the area of Rapid Manufacturing (RM) which uses additive fabrication technology (such as Selective Laser Sintering) to directly produce useable products or parts.

There are many benefits for including RM in product development. It is possible to produce batches of complex components in a short time-frame. You can operate a fully functional product in its environment to make certain it will perform to expectations before committing to high volume production. Produce pre-production samples for marketing and advertising purposes, expo displays or hands-on staff (sales or services team) training.

The primary cost advantages include the ability to produce products without tooling, which can be a large percentage of the manufacturing overheads, and getting your product to-market a lot faster than via conventional manufacturing processes. Also, you can eliminate inventory stock piling by adopting 'on demand' production.

Another advantage from RM is the ability to customise products on the fly. They can be manufactured in exact quantities; varied designs can be produced at the same time; production batches can be customised each time.

We are able to combine a wide variety of methods to produce your outcomes including SLS, vacuum casting, investment/sand casting and NC machining. You can order 10, 100 or 1,000 units. Industries taking advantage of RM include automotive, aerospace, consumer design, defence, marine, medical, mining, truck manufacture, white goods.

Benefits of Rapid Manufacturing:

- ▶ Alpha and beta product releases
- ▶ Conserving capital for cash flow
- ▶ High design iterations
- ▶ Manufacturing of jigs and fixtures
- ▶ Pre-production manufacturing for tooling
- ▶ Short run production

