

Martello Limited

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The 3D Factor from Martello Limited

What is the 3D Factor? It is determination, dedication and discipline – the corporate ideology of Martello. Martello's business strategy and investment is focused consistently on providing their customers the speed, skill and service they need to deliver their requirements – excellent parts and service from a competent and knowledgeable team.

How? With characteristic innovation and the desire to continuously improve their service, the team at Martello have developed a unique production process named ThinRim™ to provide their customers with a cost effective solution for low volume product manufacture. The team are constantly enhancing their services with new materials and processes.

Martello's Thin Rim™ resins represent a major breakthrough in polyurethane resin technology and are widely used for production caseworks for electronic and medical equipment. The rigid resins mimic ABS in their mechanical properties and are available in high temperature, UV stable and V0 flame retardant grades. The elastomeric resins are available in Shore hardness ratings from 10 to 95A and are ideal for keymats, overmoulds and seals. Low cost moulds are produced from accurate machined patterns to provide a rapid, inexpensive

solution for initial production series or on-going low volume production.

The current range of services includes the following:

- Rapid Prototyping
- Vacuum Casting
- CNC Machining
- Traditional Modelmaking

The company now has their own in house stereolithography machine (SLA 250) producing accurate, detailed parts for design verification prototypes and vacuum casting masters in DSM Somos Watershed 11110 resin at 0.1mm resolution.

Martello's CNC machining centre is ideal for rapid machining of prototypes, patterns and tools in plastic or aluminium. The modelling shop is equipped to complement their main services with traditional modelmaking and painting of prototype parts for masters or exhibitions.

With extensive CAD/CAM, modelmaking and vacuum casting facilities on site, Martello offer a comprehensive range of prototyping and low volume production services.



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