

Capabilities

Thermo Forming:

Thermoforming is a manufacturing process where a plastic sheet is heated to a pliable forming temperature, formed to a specific shape in a mould, and trimmed to create a usable product. The sheet, or "film" when referring to thinner gauges and certain material types, is heated in an oven to a high-enough temperature that it can be stretched into or onto a tool and cooled to a finished shape.

Currently we have 3 forming machines capable to mould up to 2460x1460x600mm deep.

Generally tooling cost is a lot lower than injection moulding tools and therefore more suitable for small to medium size runs. Wooden tools can also be used for short runs it minimise the setup costs.

Some applications: Wall cladding, flanges, moulded signpans, point of sale, appliances, public/mass transport, machine guards, chocolate moulds, bathroom ware, appliances, medical devices, concrete paving moulds, etc.



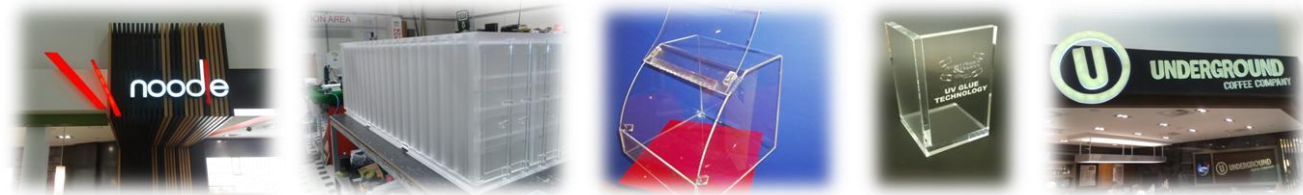
Blow moulding:

Blow moulding is blowing air into a flat sheet (reverse of thermoforming) to produce domes, for point of sale, dairy milking machines, motorcycle Screens, display trays for supermarkets etc. The raw material is heated until it reaches forming temperature, then moulded and cooled. Small and large domes no problem. Moulds for this process can consist of wooden tools for small runs to alloy for larger items.



Fabrication:

The fabrication department specialises in providing quality P.O.S items, shop fitting, display stands, brochure displays, 3 dimensional Signage letters, hospitality items like table numbers, menu holders, and much more. Consists of line bending Acrylic (Perspex) polishing, gluing and assemble. We have a state of the art UV Gluing Technology, for seamless, aesthetically pleasing clear joins, ideal for Museum Cases, and high value display merchandise. Very strong bond using this process.



Laser Cutting:

Laser cutting of various plastic substrates, very fine detail can be achieved using this process, many applications, and are not limited to plastic, able to cut wood etc. Also laser etching detail onto face of plastic substrates, like logo's, portraits etc. Applications: Acrylic letters, parts for fabrication, feature walls, etched signs, meeting room names, trophies, and just about anything you can imagine.



Router Cutting:

We incorporate both 3 and 5 axis router stations, primarily for trimming thermoformed parts, but also many other applications. A lot of work previously done on our router has been taken over by laser, as the laser polishes acrylic at the same time, where routing need post work done to it. Ideal for thick gauge acrylic substrates, and stack cutting. Again not limited to plastic, other substrates like wood, aluminium, aluminium composite material, brass, stainless steel, foam products, etc.



Product Design:

We can design majority of requirements, in house Solidworks program, able to produce 3D modelling for product developments and client sign off. We can also import majority of file types

LED:

LED lighting for bar lighting, signs, mood lighting, we can incorporate the lighting into the acrylic products etc.



Sheet Plastic:

We stock a large range of plastic substrates, ranging from Acrylic (Perspex, Plexiglas, etc) Polycarbonate (Lexan) Polypropylene's, ABS, Twinwall polycarb, PVC's, etc.

Award Plastics & Displays is a Christchurch owned and operated business, we have been here for 18 years. We have over 100 years combined plastic experience in our team of 11



Details for contact:

Dean Jenkins

Ph: 03 374 8072

Mobile: 0274 553 188

Email: dean@awardplastics.co.nz

Web: www.awardplastics.co.nz

42 Wordsworth St
Sydenham
Christchurch