

Custom Rotomoulded Cases

All-weather Rugged Protection

Rotomoulded polyethylene containers are widely used for military applications and in the telecommunications, medical and marine industries.

Their many advantages include:

- Tough and resilient - unlike other processes, rotomoulding does not stress the material during production, so it retains its strength.
- Rotomoulding distributes 15% to 20% more polymer into the corners, giving improved absorption of impact and shock when the container is dropped.
- Tooling costs are relatively low and can be amortised over the price for requirements from 150 units upwards.
- Polyethylene is an inert material that is resistant to solvents, oils and acids and can be readily decontaminated by high pressure steam cleaning.
- Non-metallic – an important safety feature for some applications.
- Corners can be rounded to prevent damage to other objects and injury to handlers.
- An elastomeric seal can be introduced between the base and lid to create a hermetic seal, enabling containers to be watertight and dust proof.
- Rotomoulded polyethylene containers maintain their integrity in extreme temperatures (-40°C to +70°C)
- A range of colours can be incorporated in the polyethylene so the colour is integral to the product and not a surface coating.
- Double skin construction enables internal contours to be moulded into the case to house specific equipment.
- Identifying marks and branding can be moulded into the surface during the rotomoulding process.
- Build quality conforms to ISO and NATO standards



Standard Sizes v Designed for Purpose

At CP Cases we can design and manufacture rotomoulded containers to meet your exact requirements.

For complex shapes we use the latest design software in Solidworks 2008. We create space models where required and produce tooling in our own factory to ensure a finished product that is fit for purpose.

For production runs from as little as 150 a bespoke rotomoulded case can be a very cost effective solution.

Where smaller quantities are required CP has its own wide range of “Amazon Cases” available in standard sizes, which if necessary can be customised by “cut and weld” techniques to get the case size you require



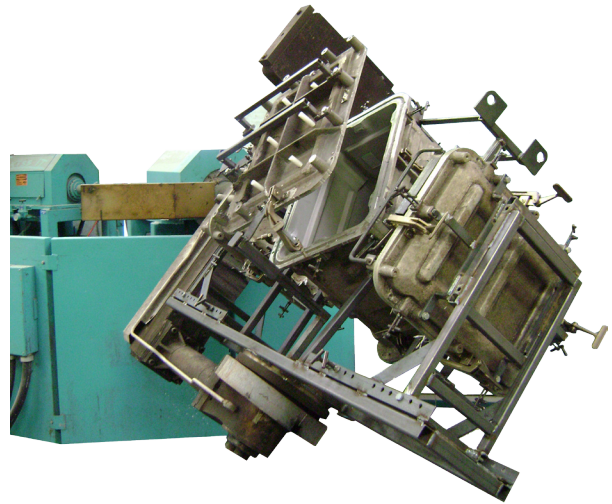
CP Rotomoulded Cases

Tooling

All of our tooling is designed and manufactured in-house by our own engineers, who have experience in using the characteristics of the process and materials to create an end product which is strong, functional and pleasing to the eye.

Internal Cushioning

CP has its own CNC foam engineering capability, enabling us to produce cost effective blocked foam or sophisticated sculpted foam in a variety of densities to provide predictable protection for delicate and expensive equipment from physical damage.



Options

Because CP controls every part of the process from design to assembly, we can offer a wide range of options to our customers.

These include:

- Choice of colours
- Choice of surface finishes
- Complex shapes moulded into the interior
- Flame retardant additives
- Pressure relief valves
- Integral castors
- Grab and roll cases with retractable handle and wheels
- Choice of moulded-in or labelled branding
- Panel mounts
- Hinged lids or lift-off lids
- Stainless steel fittings
- Recessed catches and handles
- Stacking features



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