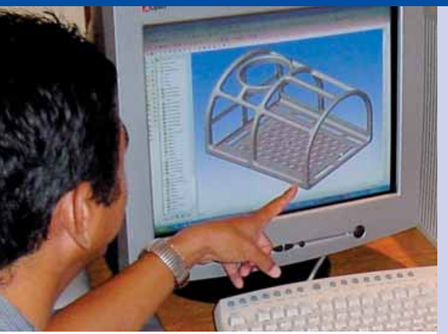
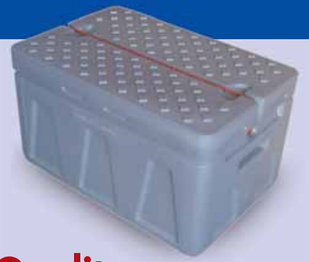




Quality, technology, service...

At Ivy Blue, our objective is to offer first class service, quality and technological expertise to develop cost effective products.

To do this we prioritise long term relationships with customers, suppliers and experts in our industry as we constantly seek to evolve and improve ourselves and our products.

More about Ivy Blue...

Located in Cape Town, South Africa, Ivy Blue specialise in the rotational moulding of high quality polymer products for both custom and proprietary applications. Our proprietary products are focussed in the fishing, aquaculture, retail display, urban rainwater tank and wine industries.

We have the technological expertise to design, engineer and produce rotationally moulded parts of a high quality standard. Since our inception in 1997 we have developed products for more than 100 different applications. Our products are used by companies such as Shell, Coca Cola, Sasol, Dairy Maid, Woolworths, I&J, Caltex, Pepsi, MAN, KWV, SAB, Rentokil, Sea Harvest, BP, SA Navy, Clover and Anglo American amongst others.

As part of our focus on excellence, we have obtained our ISO 9001-2000 quality certification and are busy with our BEE rating. We are also proactive members of local and international rotational moulding organisations and our focus on quality earned us the Product of the Year award at the 2006 annual meeting and the runner up Product of the Year award in 2007.

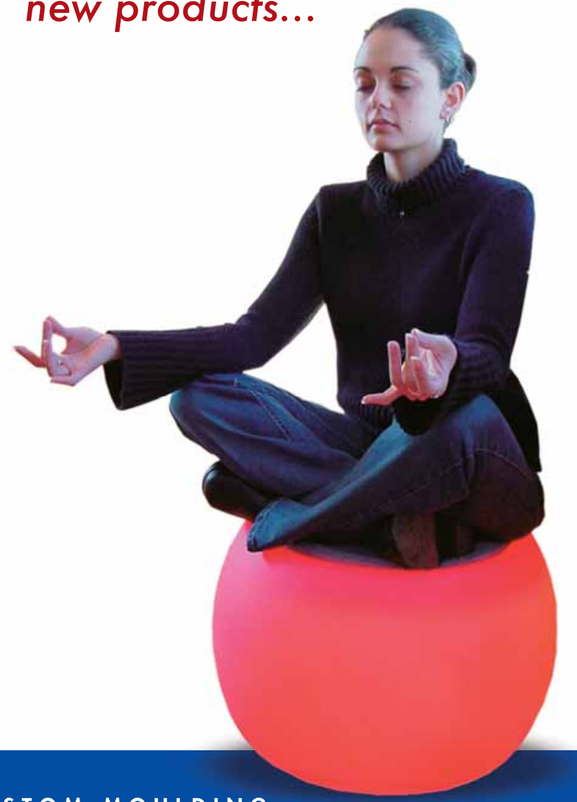
IVYBLUE

WWW.IVYBLUE.CO.ZA

IVY BLUE ROTATIONAL MOULDERS
postal address PO Box 39592, Capricorn Square, Muizenberg, 7948, Cape Town, South Africa
tel +27 (21) 788-4522 **fax** +27 (21) 788-6842
e-mail info@ivyblue.co.za
web www.ivyblue.co.za

IVYBLUE
ROTATIONAL MOULDERS

Let us take the stress out of developing your new products...



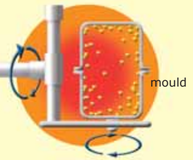
CUSTOM MOULDING

IVYBLUE
ROTATIONAL MOULDERS

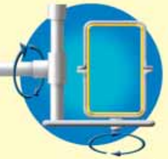
What is rotomoulding?

Essentially, rotomoulding is a very simple four-step process. Plastic resin in a powder form is placed in a hollow steel or aluminium mould and rotated so that the powder can reach all parts of the mould. During rotation the mould is heated so that the plastic lays up on the walls of the mould. Then it is cooled and the mould opened, demoulded and reloaded ready to repeat the process.

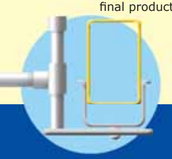
1. Loading
The mould is mounted on a rotational arm and loaded with plastic resin powder.



2. Heating
Under biaxial rotation the mould is heated until the powder has solidified.



3. Cooling
Under continued rotation the mould is cooled and the product set.



4. Demoulding
The mould is opened and the final product removed.

Its many advantages...

- Stress free, one piece mouldings
- Inexpensive moulds
- Great design flexibility
- Ability to mould multiple parts as one product
- Resistance to stress cracking, corroding and flaking
- Excellent load bearing capabilities
- No seams, joins or welding
- Suited to medium to very large products
- Low to medium volumes (50-30000 pa)
- Wall thickness variation with the same mould
- Light weight alternative, especially compared to metal
- Good chemical resistance
- Hygienic, smooth, food grade surfaces
- Permanent graphics and in mould logos
- Excellent finishes and scratch resistances
- with new polymers

We have the expertise...

Custom moulding involves designing and producing a new product or part made exactly to your specification. We custom mould OEM products for clients which include kayaks, vending equipment, fuel tanks, furniture, retail display units, complete fish farming solutions and various cases and junction boxes.

The costs of tooling for rotational moulding are comparatively low. It is often a better alternative to metal, fibreglass or wood fabrication or other plastic alternatives such as vacuum forming. Volumes of 50 units and upwards may be more cost-effectively produced using our process. Due to the flexibility of design, rotomoulding is often used to simplify applications by manufactuing a single product to replace a range of parts.

With our in-house design and engineering staff we are able to create and manufacture your concept to completion. Whether it starts as a sketch on a pad or a full CAD model, we are able to ensure it is correctly designed for rotational moulding.

Rotational moulding can be a complex process. We believe that we are one of a small minority of South African rotomoulders able to offer the required level of expertise and experience in producing custom moulded products. Many of our clients began their relationship with us owing to our capability to remedy a faulty design or mould.

Our process starts with generating a detailed specification, then developing your concept from initial sketches to 3D computer model and technical drawings and if required generating a scaled physical model of the part. Once approved, we can source a mould appropriate to your requirements in terms of costs, tolerances and finish. Finally, we can produce the product to meet the requirements of your initial specification.

CUSTOM MOULDING