Rotational Who

Leading companies of the rotational moulding world

An initiative promoted by IT-RO

At the service of the **rotational**

Dram was born in 1993 from the intuition of Alison McKeand who identified new potential in the trade of rotational molding accessories. Today Dram offers with a wide range of products for the plastics industry.

Through a series of innovative products, rotational molding improves its energy efficiency by reducing consumption and increasing the productivity and quality of the manufactured products. The use of new production solutions optimizes the use of skilled labor during the production cycle, making rotational technology increasingly efficient.

4Polymers ltd
CRS ENGINEERING
DRADER injectiweld
DURAGRAF
LaPlastecnica
Powercore
Stoner Molding Solutions
Tramaco

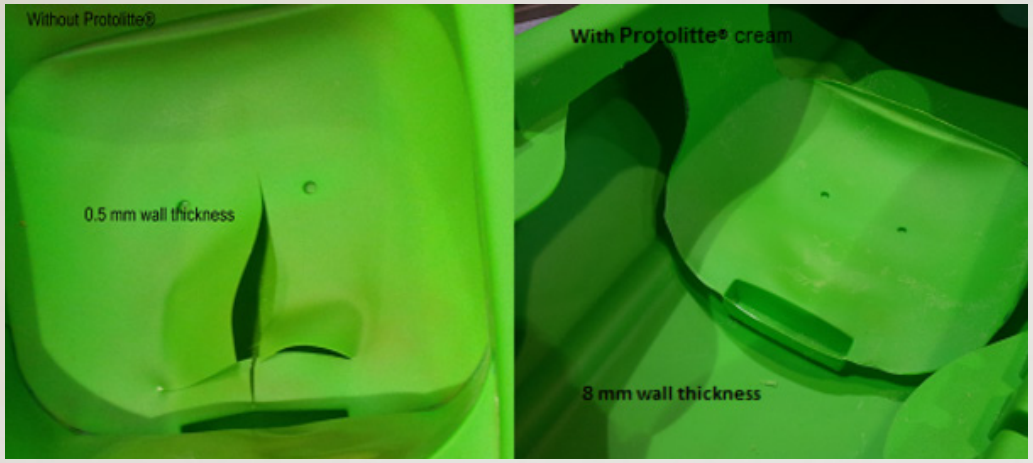
Dram represents a qualified and efficient team that supports companies by providing, in addition to a range of innovative products selected at an international level, also the necessary consultancy and assistance to its customers. Dram is the ideal partner to obtain a progressive efficiency improvement of the production processes.

Rotational Moulding

represented companies

C4 POLYMERS LTD
Protolitte®

Protolitte® is an exciting new concept which for the first time enables rotomoulders to perform precision moulding in rotational moulding. As any experienced rotomoulder will tell you, it is all about heat transfer in our process. This is the first heat accelerator available to rotomoulders, which also acts as a flow Promoter and a surface improving media.
Control the heat locally and we can control many outcomes of our process. By its dual actions of heat acceleration and mould protection Protolitte® is the perfect tool for controlling wall thickness of moulded parts.
It is important to note Protolitte® does not act as a lubricant as is the case with many other products in the market. Protolitte® started as a paste and is now also supplied in spray format.



Rotational Moulding

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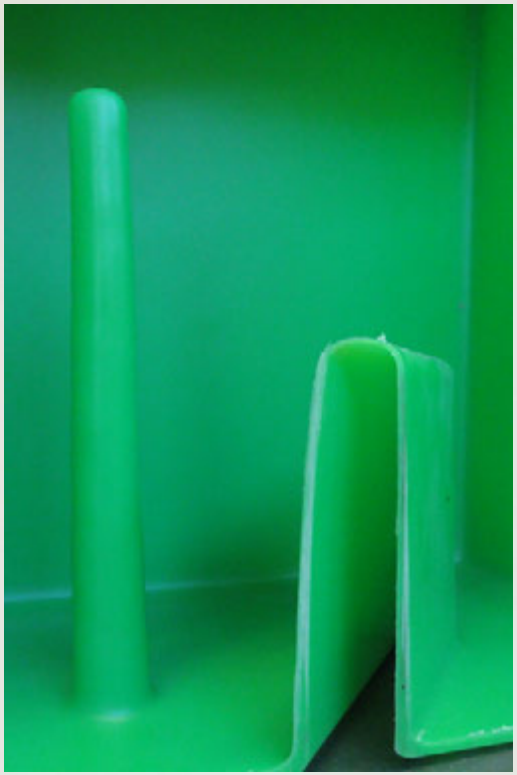
CRS ENGINEERING
Heat pipes specialists

What follows applies to rotational moulding but heat pipes are used in many other industries too including sophisticated sectors such the electronics and aerospace industries. Contact us or visit CRS's web site for further information.
Often in rotational moulding, it is a problem to get a correctly formed piece because it is not easy to drive heat into recessed areas of the mould. CRS Engineering has a wide experience in the field of thermal management and recognises the challenging and complex thermal demands facing today's development and application engineers. Their heat pipes are very efficient, easy to use thermal conductors and are used to move large quantities of heat where necessary.

Without Heat Pipes

With Heat Pipes



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DURAGRAF
Permanent Graphic in-Mold and on-Mold Application

Custom printed graphics for use in the rotational moulding process and on polyolefin parts.
The PE-compatible material of the graphic is absorbed by the PE being moulded during the rotational moulding process or fused directly into the outer surface of the finished part. The graphic becomes a permanent part of the polyethylene.
Resistant to rain, snow, chemicals, solvents, saltwater, steam, pressure washing and UV.

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DRADER
The high quality welding system

The Drader Injectiweld uses a combination of hot tip and welding rod injection to produce high quality welds. Choose the right interchangeable tip for the job, then preplasticise the weld area and inject molten welding rod into it. The rod and the plastic being welded physically mix and become a single material.
The Drader Injectiweld uses heat from the welding tip to preplasticise the welding surface of the thermoplastic. Molten plastic is immediately injected under pressure below the surface into the weld area to fuse the plastic together and form a sound weld. Since the orifice in the welding tip is submerged, surface preparation is not necessary and virtually no oxidation takes place during the welding process. The result is an efficient, quality weld, produced without using hot air or gas.

Rotational Moulding

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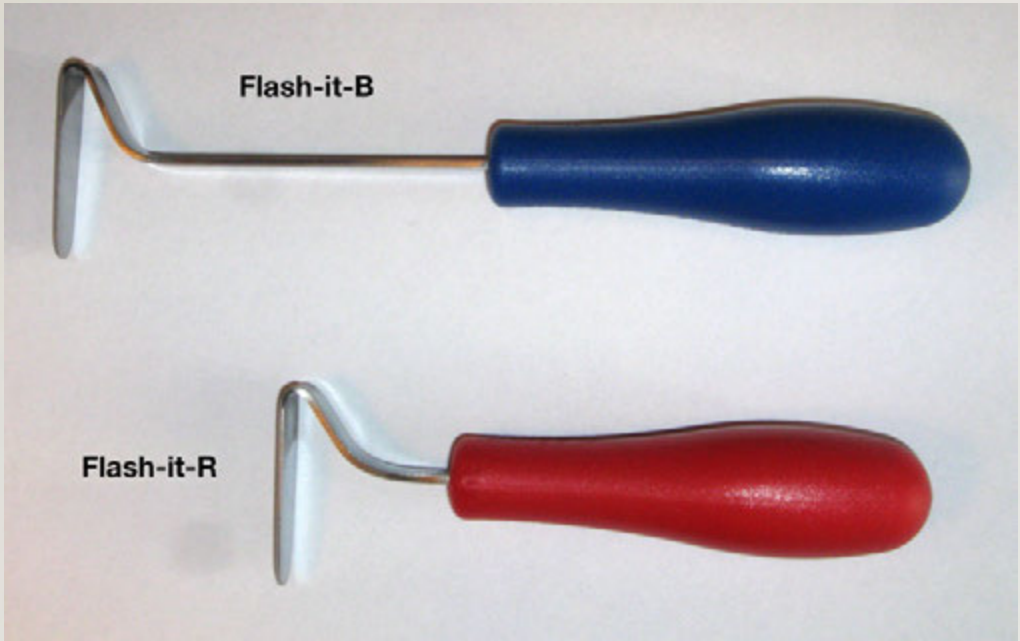
FLASH TRIMMERS

BB1 and BB2 represent two versions of a very versatile and easy to use safety product. The deburrer is handy and light. Using it is very unlikely to get hurt, you are not exposed to sharp edges or blades (such as cutters).
It is easy to sharpen and lasts a long time. It is the ideal tool where the aesthetics of the product is important: it leaves small, very linear trails.

Flash-it easily removes the burr from plastic molded parts, allows multiple passes on thick burrs, has a secure grip plastic handle. The stainless steel blade is durable, it is suitable for left and right handed operators. A reliable tool for deburring operations.

BB1 and BB2



Flash-it

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LA PLASTECNICA
Vents and equipment

La Plastecnica vents remain open during cooling to allow air to enter the mould: thus the piece does not deform without blowholes on the joint lines. They are industrial vents that guarantee repeatable results and include different models (Supavent, Smarvent and Intellivent) and sizes.

Supacool, device that sprays nebulised water into the mold for internal cooling. From tests carried out with Supacool it is possible to reduce the cycle time up to 60%.

On medium and small products, using Technovent for internal air cooling significantly reduces cooling time and deformations.

Tired of air quick connectors that don't stand up to the harsh environment of rotational molding? Supaquik connectors are robust and long lasting.

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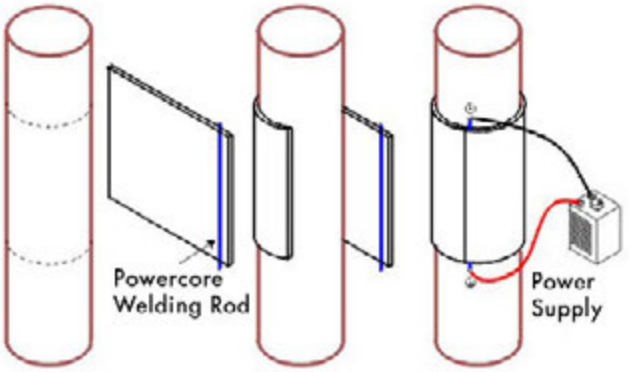
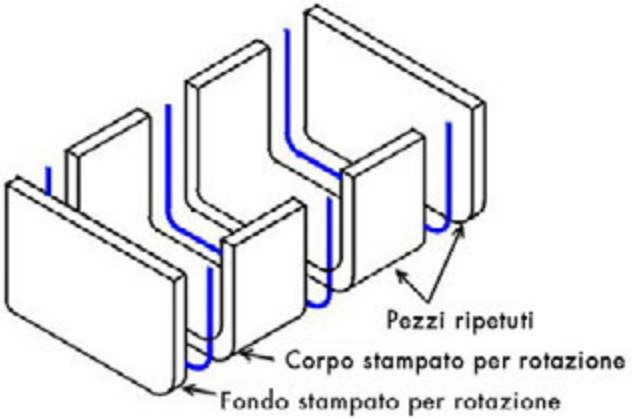
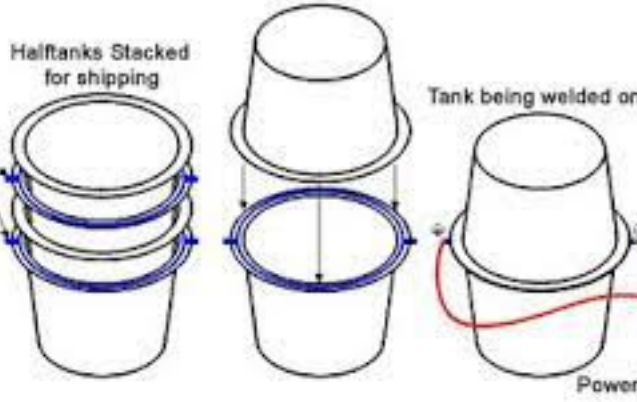
POWERCORE
Plastic welding system

Powercore Welding Rod is an electrofusion system used for joining all types of thermoplastic parts together.
Powercore Welding Rod is a flexible thermoplastic rod approximately 5 mm in diameter with multiple super fine electrical resistance wires wound inside, which can be formed into virtually any shape. The same 5 mm welding rod can fuse thin sheet, thick plate, or any moulded part from 30 cm to 30 m in length in a short period of time.
The Powercore Welding Rod becomes an integral part of the weld.







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STONER

RotoFlow® 4000 facilitates the flow of linear and cross-linked polyethylene, polypropylene and polyamide into difficult-to-fill areas. Prevents the formation of pinholes, improves the appearance and performance of the threads, reduces waste and increases productivity. RotoFlow® 4000 is NSF® certified for food use in rotational products.

Zip-Slip is a preventive maintenance product for rotational moulds. Avoids resin buildup on flanges, dust leakage, dirt, flange damage from aggressive scraping, repeated maintenance and frequent cleaning.

Xenit and Citrus cleaner, cleaners with natural citrus oils. They are high power cleaners for removing greases, oils, waxes, silicones, adhesives from moulds, metals, painted surfaces, ceramics, fibreglass, polyethylene and other materials. They are healthier and more environmentally friendly than petroleum distillates.

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TESTO 830-T4
Infrared Thermometer

Testo is a fast, universally applicable infrared thermometer for non-contact measurement of surface temperatures. Supplied complete with external contact probe.

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WIZ CHEMICALS
Additives for plastics

SORIN RM 12 e SORIN RM14 are internal release agents which are added directly to the powder prior to rotational moulding. They reduce or eliminate the need for external release agent touch-ups and contributes to keeping the moulds clean long term.
SORIN RM 12 and SORIN RM 14 do not affect the mechanical properties or the looks of the finished products. Using them, the release temperature is controlled. This way, all issues associated with parts warping due to uneven and early release disappear. Using SORIN in moulds already treated with external release agents does not cause problems.
The internal release agent Sorin RM14 also has antistatic properties. SORIN RM14 helps significantly reduce problems of irregular colour distribution, improving the appearance of dry-blended products.