

PLASTIC INJECTION MOULDING DIES

When you're in the market for excellence in the manufacture of Plastic Injection Moulding Dies, take advantage of the Shamrock team's decades of experience.

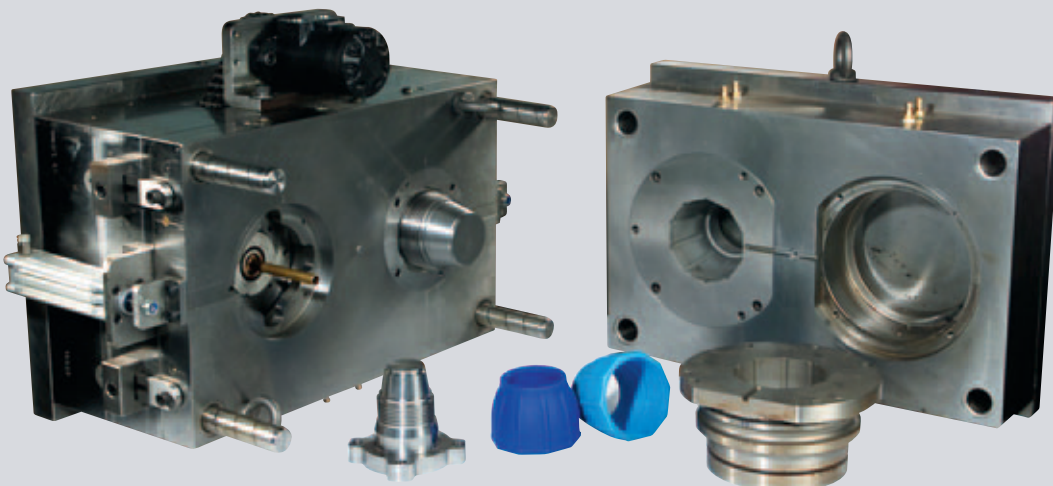
We custom design and manufacture for a broad spectrum of clients that have a wide variety of needs. Some of these include:

- Hydraulic Ram & Pneumatic Cylinder Seals & Wear Rings
- Pipe & Hose Fittings
- Electrical & Electronic Industry Circuitry Enclosures, Switches & Componentry
- Numerous Mechanical Parts for the O.E.M. (Original Equipment Manufacturing) Industry e.g. Plain Bearing Bushes; Wheels; Kitchen Whiteware Parts; an extensive range of Brackets, Clips & Holders; Pots, Pottles & Pails; Pump & Filter Housings & Component Parts

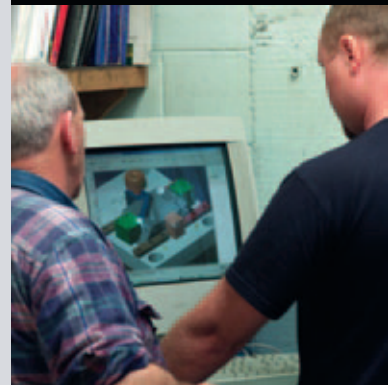
Most Tooling has an assembled mass of up to 500kg although larger Tooling is also undertaken. Tooling options include:

- Single or multi-cavity & 'family' Tools
- Standard & Hot Runner Systems
- Through hardened steel 'long-run' or 'short-run' Tooling
- Pin, Blade & Stripper Ejection Systems
- Hydraulic, Pneumatic or Mechanical Core Removal
- Hydraulically Powered Rotary Cores
- Collapsible Cores
- Dedicated or with Interchangeable Inserts
- Various Water Cooling Configurations
- With or without provision for Product Inserts e.g. Bearings, Bolts, Nuts, Filter Gauze

Continued on Page 2



TOOL & DIE MAKERS ■ PRECISION ENGINEERS
ORIGINAL EQUIPMENT MANUFACTURERS



SHAMROCK
INDUSTRIES

Our experience includes knowledge of appropriate Tool Design and Manufacture for the following range of plastic mould materials:

- Polypropylene
- Acrylic
- PVC (Rigid & Flexible)
- Nylons
- Glass Reinforced Plastics
- Polyethelene
- Polyurethane
- Thermoplastic Rubbers
- ABS
- Polycarbonate
- Acetyl
- Styrenes



FULL CAD/CAM FACILITY

Our full CAD/CAM capability means that, from your Tooling concept, we can comprehensively design then accurately and cost effectively manufacture the finished Tool.

Accordingly, Moulding Dies may be custom designed by Shamrock or produced from client supplied drawings or CAD/CAM files. 2D and 3D design files can be sent and received via email or disk, allowing us to develop and confirm the Tool design in consultation with you. Alternatively, your finished designs may be received electronically and entered directly into manufacture for exact and cost effective production.

QUALITY ASSURED

Manufacture is supported by Shamrock's ISO based Quality Management System and upon final assembly all new Tooling is finish assembled under a "Buddy System" with one Toolmaker supporting & checking the other for the purpose of ensuring Specification Compliance & Quality Assurance.

So if you require quality Plastic Injection Moulding Dies, accompanied by a professional service, call us at Shamrock Industries for a no obligation discussion.



SHAMROCK INDUSTRIES LTD.
51 Sandyford Street, Sydenham 8023
P O Box 10219, Phillipstown 8145
Christchurch, New Zealand
Phone +64 3 365 7906
Fax +64 3 365 7946
Email sales@shamrockind.co.nz
www.shamrockind.co.nz

TOOL & DIE MAKERS ■ PRECISION ENGINEERS
ORIGINAL EQUIPMENT MANUFACTURERS

Manufacturing
Brands:

PECO
RATHGEN
TOOL & DIE



SHAMROCK
INDUSTRIES