



DW PLASTICS LTD

Plastic extrusion design & manufacture



www.dwplastics.co.uk

D W PLASTICS LIMITED

DW Plastics was established in 1980 and has since gained an enviable reputation for manufacturing high quality plastic extrusion profiles from a wide range of materials. Typical products include building profiles, office partitioning, ceiling panelling, skirting, safety and DIY products. **DW Plastics** also manufactures a decking product used widely in the marine and building industries as an alternative to teak.



In addition to plastic extrusion manufacturing, **DW Plastics** has become well known in the industry for its design and technical support. The technical team enjoys meeting the challenge of working with customers to manufacture bespoke products.

These services are offered to all customers who seek to optimise development of new or non-standard product lines.

DW Plastics has a fully equipped in-house design and tool making facility and its extrusion dies and profiles are manufactured at its premises in West Sussex.

DESIGN SERVICES

DW Plastics has a fully integrated CAD design system that enables it to offer customers a full design service. The technical team works closely with customers on the development and prototyping of new profiles and uses the latest CAD technology to produce die drawings and samples.

Technical drawings can be printed or exchanged electronically, in DXF or AutoCAD file format. This technology shortens production lead times and ensures that the Company's high quality standards are maintained.



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TOOLING

In-house tool making facilities ensure that dies and calibrators are designed and engineered to create high quality bespoke and non-standard extrusion profiles.

Profile dies are wire eroded to ensure high quality extrusions. Customer dies are retained exclusively for repeat orders and are made from high chrome steel to preserve their longevity.



A WIDE VARIETY OF PRODUCTS

In addition to standard plastic extrusions, **DW Plastics** can assist with the design and improvement of existing sections. It has the in-house capability to handle complicated designs, such as profiles with variable wall thicknesses. The extrusion process allows a choice of rigid and flexible raw materials to be extruded together to form composite profiles.



Plastic extrusion profiles can be manufactured in a wide variety of shapes, sizes and colours. Our extrusion lines can handle tubes up to 160mm in diameter and profiles up to 350mm wide.

A comprehensive range of coloured master batches is kept in stock. Extrusion profiles can be matched to samples or architectural colour references. Technical staff at **DW Plastics** can provide guidance and advice in the selection of raw materials.



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SECONDARY OPERATIONS

Drilling, slotting, punching and welding can be automated on-line and other ancillary parts can be fitted as required.



WELL-EQUIPPED FACTORY

DW Plastics has a wide range of extrusion equipment, with 12 production lines operating 24 hours. The range of machines enables the manufacture of a great variety of profiles and tubes.



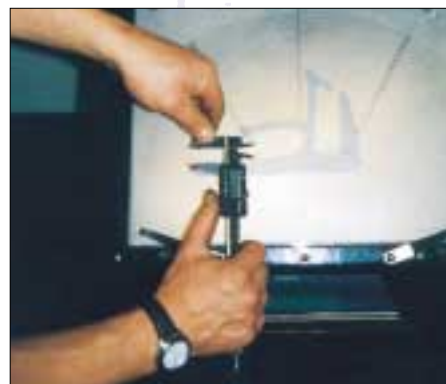
A SKILLED WORKFORCE

All staff employed at **DW Plastics** are committed to producing high quality products. They are able to draw on many years of experience within the industry and enjoy the challenge of working with innovative and complex designs.

QUALITY CONTROL

DW Plastics has developed internal systems and a process of quality control that gives assurances that the level of service and quality of products supplied will meet customer specifications.

All stages of product development are closely monitored by the Quality Manager to ensure that the Company's high quality standards are maintained.



A CHOICE OF MATERIALS

DW Plastics can offer advice on the selection of raw materials. Typical materials used include:

MATERIAL	KEY BENEFITS	TYPICAL APPLICATIONS
ABS	Can withstand high temperatures and has good adhesive properties. Mainly used for indoor purposes.	Pipes, hosing, fridge and freezer parts.
ACETAL	Outstanding resistance to hot water and organic chemicals. Excellent friction and abrasion qualities.	Boning for underwear and fancy dress.
ACRYLIC	Crystal clarity with exceptional resistance to environment, weather and chemicals.	Light diffusers, point of sale holders and display stands.
POLYSTYRENE (HIP)	Indoor use. Good adhesive properties.	Packaging and coving.
POLYETHYLENE	Can be supplied in high or low density depending on application. Suitable for indoor and outdoor uses. Tough with good resistance to chemicals and low temperatures.	Gas and water piping, protective covers and packaging.
POLYPROPYLENE	Tough material with good resistance to chemical environments. Can withstand high temperatures.	Tubing and hinge components.
PVC (flexible)	Variable flexibility for different applications.	Pelmets, sleeves, trims and hosing.
UPVC (rigid PVC)	Suitable for a wide range of indoor and outdoor uses.	Windows, glazing, trims and trunking.



FURTHER INFORMATION

DW Plastics exports plastics extrusion profiles worldwide.

If you would like further information on its design or manufacturing services please contact the technical team by telephone on +44 (0)1243 774521 or by e-mail: info@dwplastics.co.uk



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HOW TO FIND US



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