

# Fast Accurate Model Making

Now, from Fairey Surveys you can obtain low cost, accurate, light-weight durable models manufactured direct from any plan or map.

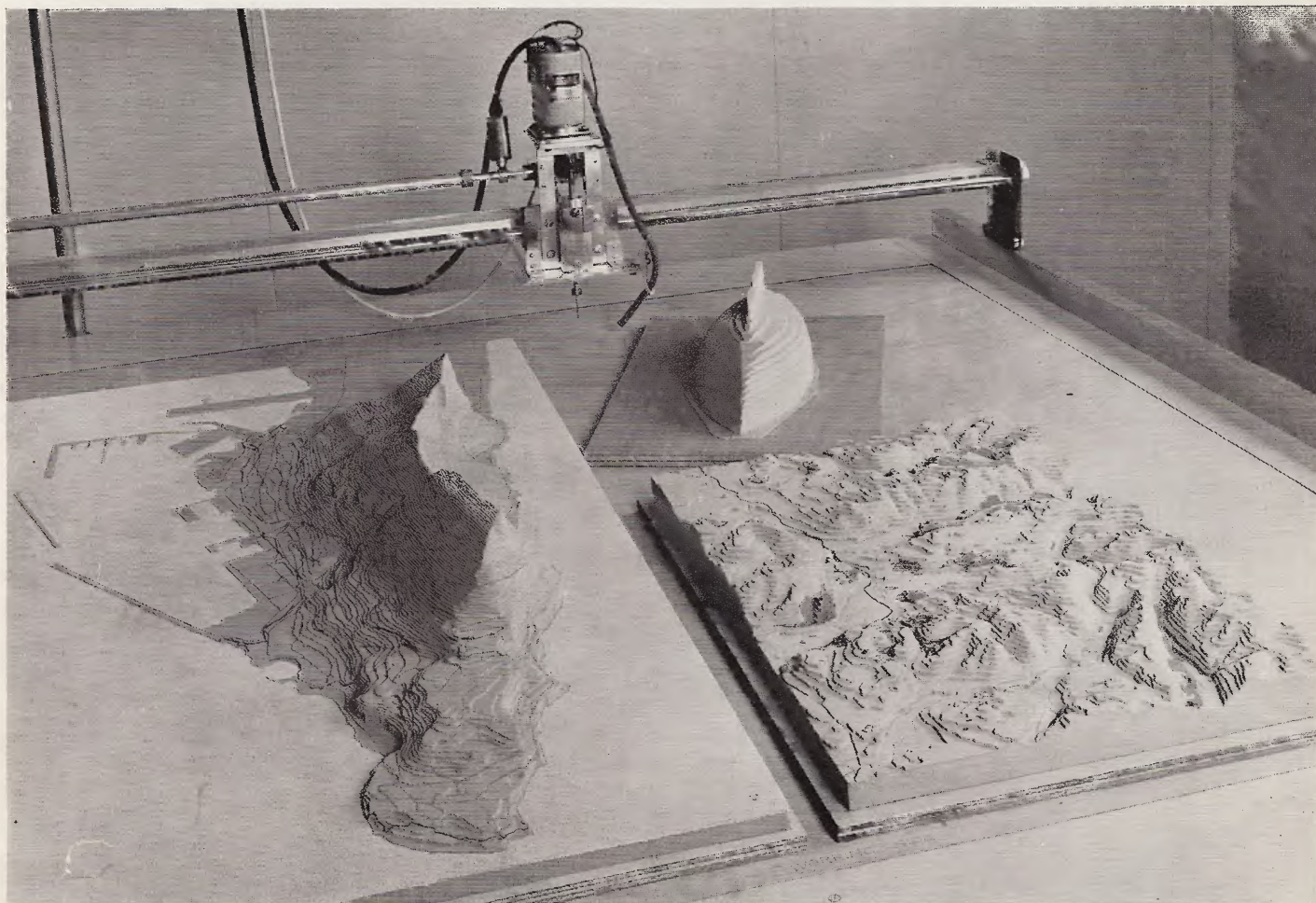
If you have a requirement for models, whether topographical models for such purposes as town planning, river works, reservoir and dam construction, military studies, electrical transmission and oil pipeline location, or for specialist use, involving single subjects such as boat hulls, anatomical forms, or models for aerodynamic testing, this service offers unrivalled opportunities and is available from Fairey Surveys of Maidenhead today.

The models are carved from solid blocks of close grained polyurethane which is light to handle but which has a long life. The work is carried out by a new light-weight precision instrument known as a Fairey-Packman modelling machine. This machine can produce models directly comparable in accuracy with the original drawing or map from which they are to be made, and the accuracy of this machine is such that sections of a mountain terrain can be created, or even a whole township complete with ground contours, roadways or intended areas for redevelopment for such

things as motorways.

The Fairey-Packman machine maintains a high standard of planimetric accuracy over a large working area with vertical tolerances of  $\pm 0.005$  in. The models are manufactured from single polyurethane blocks of sizes up to 4 ft. square and 12 in. deep. Larger models can still be manufactured and are made in sections and then assembled. Manufacture can be arranged so that excessively large models can be locked together to allow easy transportation, and due to the light weight of the material used this does not become an expensive operation. The finish can be natural (stone) or coloured to any requirements, while the contours can be either stepped or smoothed to an even surface.

Fairey Surveys are offering this model making service to all those with an immediate demand for this type of work and further information can be obtained by contacting Fairey Surveys Ltd.

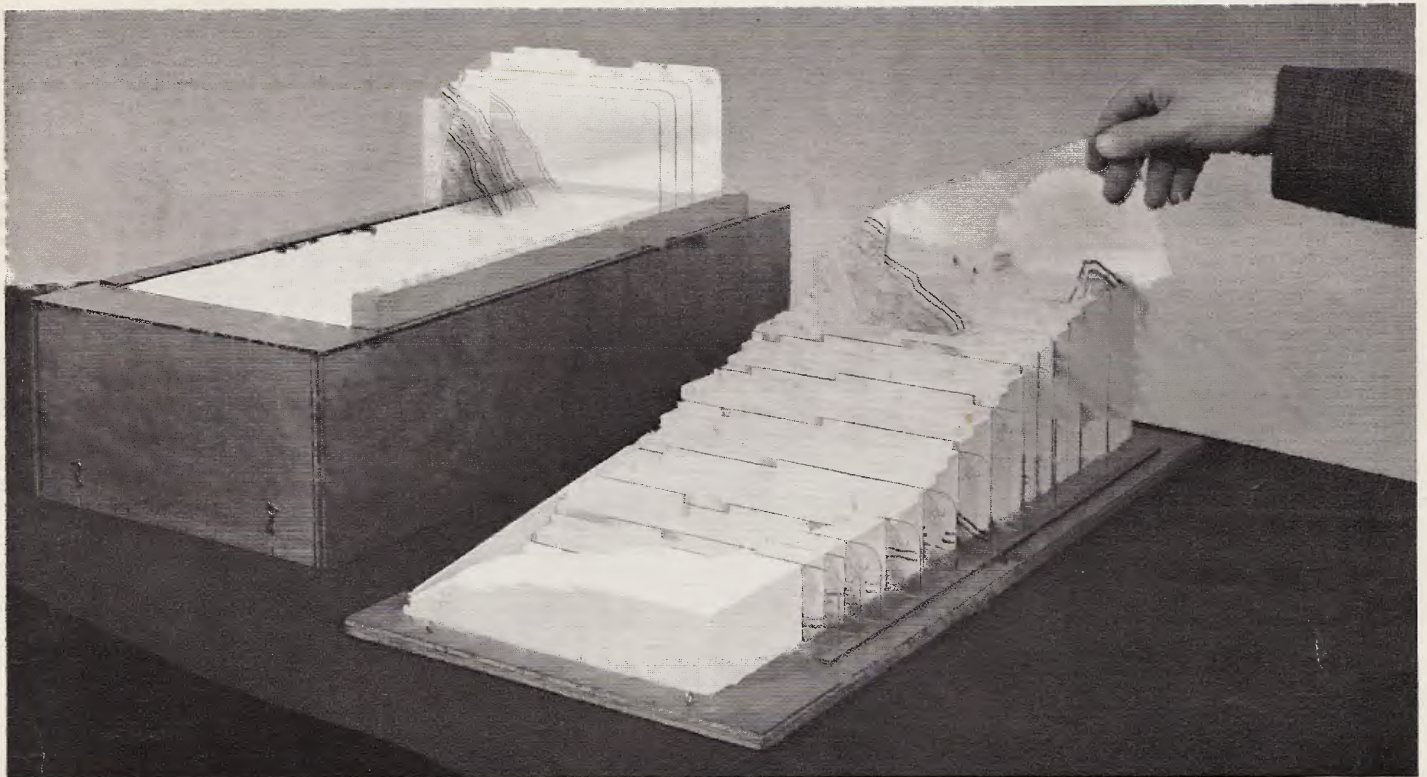


*This machine is capable of making three-dimensional models accurate to  $\pm 0.005$  in. to produce complete areas for housing redevelopment or ground contours for motorways or reservoirs. These examples show clearly how many forms can be cut from blocks of polyurethane for general relief maps or objects such as boat hulls, etc.*

For  
Architects and  
engineers  
Planners  
Local and central  
government  
Mining  
Roads and railways  
Water Boards  
Educational  
establishments  
Police and  
emergency services  
Defence  
and many other  
professional and  
scientific  
applications.



*The top model shows a three dimensional model of an area scheduled for the site of a reservoir. The water level on completion of the dam was cut in blue perspex along the contour line and superimposed on the model as shown in the lower photograph. This shows in great detail and accuracy the effect of flooding on existing roads, railways, houses, farm properties, etc., and new routes for roads, railways and power lines, etc., can be easily established on the model.*



*This model with perspex slides is used for mining and geological purposes. The slides on which sub-surface geological and soil information is recorded can be set up in special slots. A continuous picture of stratas can be examined and the exact depths below the surface can be accurately measured.*

# Fairey Surveys Ltd

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