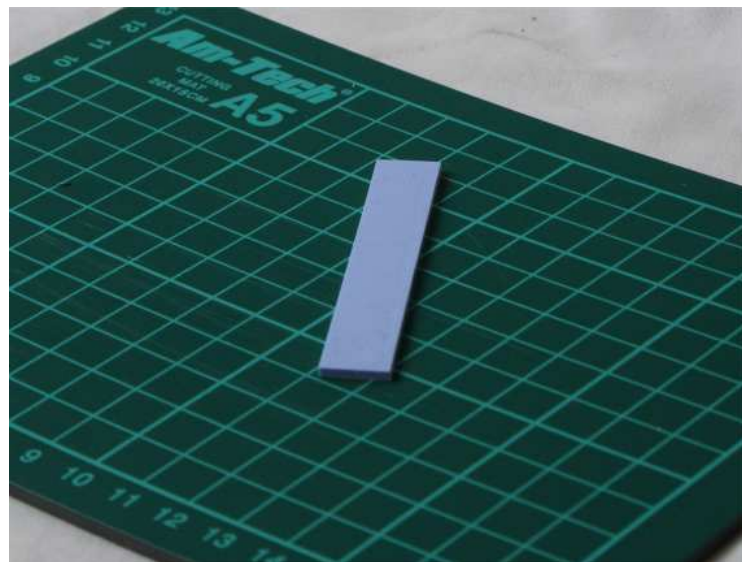
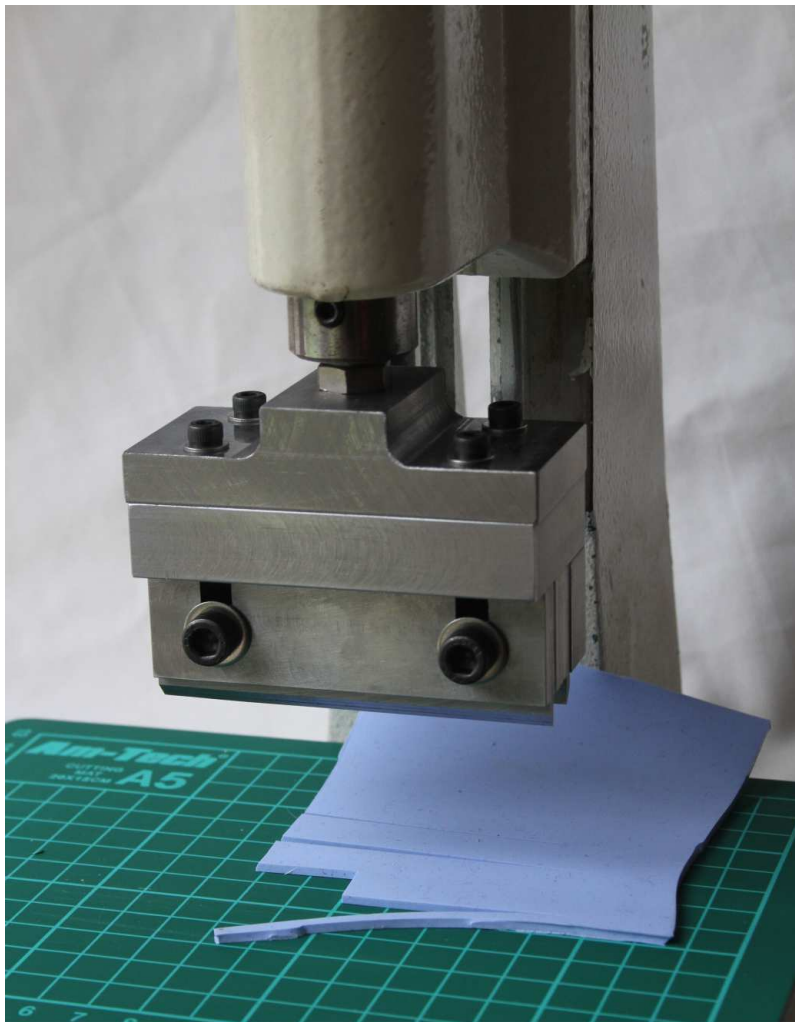


# Parallel Sample Cutter for DMA

With Adjustable Sample Width for  
**Elastomer and Polymer Samples**  
Sample Sizes from 2mm to 13mm in 1mm increments



When working with DMA, there is a need to produce parallel samples from the material being studied, and especially in soft materials, cutting a suitably accurate sample can be time consuming. To help speed up sample preparation, Ruston Services has developed a parallel cutting tool which has an adjustable sample width setting, allowing a range of materials of different stiffness's to be prepared for analysis by DMA.

The cutter works best on elastomers which are 2mm or less thickness, although soft samples of up to 5mm thick can be cut successfully. DMA typically uses samples with a thickness of 2mm or less. The cut width is set by using a series of steel spacers to set the blades parallel, although with specific materials, whose stiffness is relatively constant, it may not be necessary to adjust the cut width frequently.

# DMA Sample Cutter Specification and Options

## Specifications

Sample Stiffness Range	Samples with modulus of up to 10Mpa can be cut at full cutter length Samples with modulus of up to 4GPa may be cut by using shorter cutting lengths
Sample Thickness	Maximum 5mm Recommended 2mm or less
Sample Length	Up to 81 mm
Sample Width Setting	Minimum 2 mm Maximum 13 mm 1mm Width Increments
Width Accuracy	0.1 mm, depending on material stiffness and thickness
Blades	High Speed Steel (HSS) cutting edge, and replaceable individually Two blades, and two spare blades are provided with the cutter
Tools	The cutter is complete with a tool to change the cut width, and an A5 size self-healing cutting mat.
Tool Height	64 mm, excluding mounting spigot
Tool Weight	1.2 kg
Mounting Spigot	Mounting spigots for standard toggle presses are available with 10 mm or 12 mm diameter.
Toggle Press	A suitable toggle press is available through Ruston Services—please inquire.
Instructions	A set of installation and operation instructions are shipped with each sample cutter.

## Ordering Information

Quotation Requests	Please email your requirements to <a href="mailto:sales@rustons.org.uk">sales@rustons.org.uk</a> , stating whether you need the cutter only, or a toggle press also. Please specify the toggle press spigot size if only ordering a cutter. Quotations are normally valid for 60 days.
Ordering	Please send your official order number to the address below or by email to <a href="mailto:sales@rustons.org.uk">sales@rustons.org.uk</a> If your organisation is VAT registered, please ensure that your VAT number is clearly visible on your order.
Delivery	Delivery is normally 4 - 6 weeks from receipt of order. We may be able to provide faster delivery in some circumstances