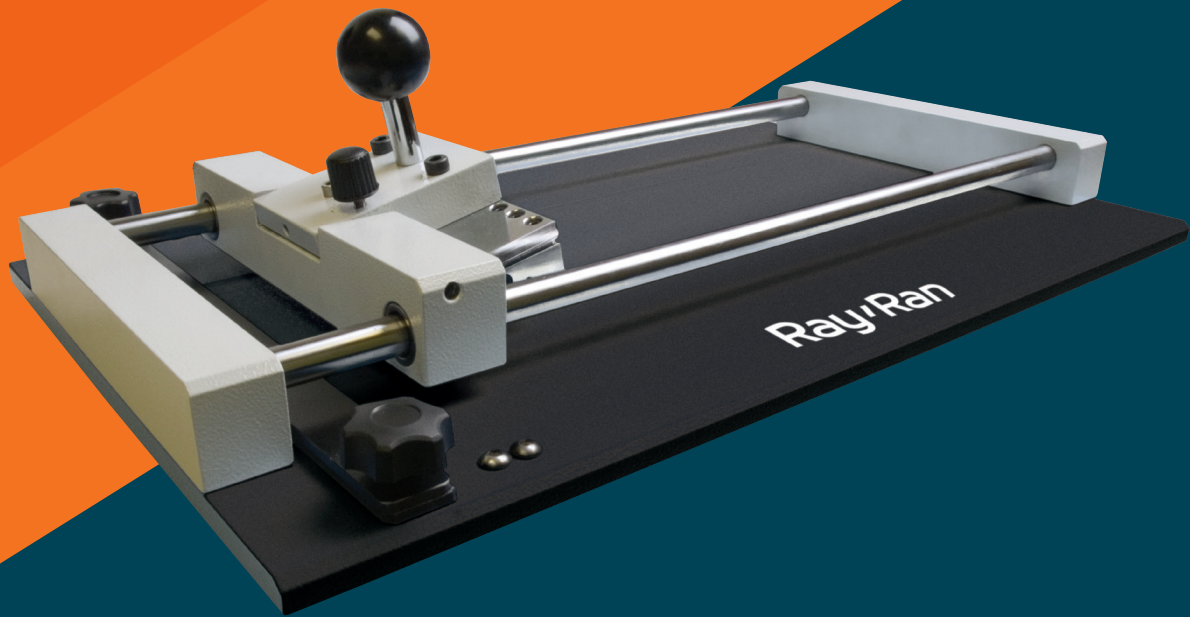


# Ray-Ran



## Micro Cutting Machine for Thin Materials

RR-MCM

Robust and simplistic, the Ray-Ran **Micro Cutting Machine** has been specifically designed to cut thin plastic film and other materials into rectangular strips of varied widths using specifically designed cutting heads. It is Ideal for making Tensile and Tear Test strips to various International Test Standards when conventional die cutting is not suitable or recommended. This apparatus has rapidly become a valuable tool from the Ray-Ran product range and is ideal for all types of flexible packaging, film, foils and paper up to 250 $\mu$ m (0.25mm) thick.

Extremely simple to operate, the adjustable spring-loaded head supports slides on hardened and ground steel rail guides using linear roller bearings to maintain rigidity and accuracy when cutting. The cutting head attachment is made from high quality tool steel, is chrome plated for rust protection and holds 2 custom-made razor-sharp blades accurately spaced to within 0.01mm. The cutter head blades are easily removed when they are worn and need replacing with no further adjustment to the new blades being required when fitted. With a minimum cut width of 0.25mm, cutting heads can be supplied to cut single or multiple test samples in one single pass, increasing your testing capacity and productivity.

The apparatus is supplied with a recessed base that can accept a cutting base pad such as card or rubber sheet, which will help protect the cutting blades during the cutting process. A clamping mechanism is also fitted to firmly support the sample material. As standard the cutting stroke length of the apparatus accommodates A4 size samples, but this can be increased to customer's individual requirements.

To operate the Micro Cutting Machine, insert the material under the cutting rails and position it into the clamping mechanism. Slide the cutting head to a position over the material approximately 10 – 20mm from its clamped edge. Push the cutter down on top of the material and pull the cutter head towards you across the guide rails. Once at the end of its travel, return the cutter head to its start position. Simply release the clamping mechanism, remove the material and trim the sample to the required length.

## Technical Specification

- Simple to operate film cutter
- Cuts film up to 250µm (0.25mm) thick
- Minimum sample width 250µm (0.25mm)
- Hardened and ground guide rail system
- Linear roller bearing guides
- Spring loaded cutter head assembly
- Interchangeable cutter heads
- Multi-cut heads available
- Cutter heads made to customers requirements
- Sample clamping rail
- Cutting stroke length A4 as standard
- Product user manual
- CE declaration certificate
- 1 year return to base warranty

## Optional Ancillaries

- Cutting stroke length to customers' requirement
- Cutter heads made to customers' requirement
- Multiple blades available on one cutter head
- Cutting Blades (Pack of 10)

## Weights & Dimensions

Net Weight (kg)	5
Width (cm)	40
Depth (cm)	20
Height (cm)	10

## Contact Details

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