



Servo-Torq®

Extrusion rotary cutting systems

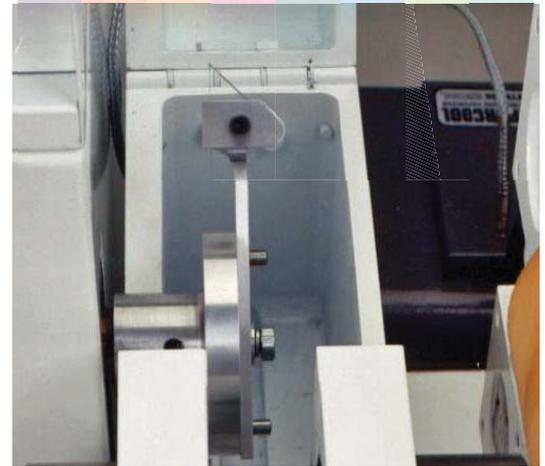
Angle cutting options - M-1, M-2 & M-3

A system for producing angled cut ends in-line with flexible & semi-rigid extruded plastic tubes.

Angled ends such as 45°/90°, 45°/45° & 60°/90° can be achieved on tubes of up to 20 mm outer diameter.

The main benefits to the user are:

- Cut angled ends in-line at normal extrusion speeds.
- Avoid secondary off-line angle cutting operations.
- Provides improved machine versatility & production flexibility.
- Easy to change from normal 90°/90° cutting to angled cutting.



Mode of Operation

THERE ARE THREE ANGLE CUTTING SYSTEMS AVAILABLE:

Option M-1 is designed for flexible plastic tubes up to 8.0 mm outer diameter, where the angled ends are different, for example 45° at one end & 90° at the other end.

To achieve this effect we use a blade holder with two knife blades located at one end only. One blade is angled, to give the 45° cut & the other is straight, to give the 90° cut. Please see the photograph above, which illustrates this.

A waste piece is produced on every cut. This is the triangular scrap piece left. This piece is automatically ejected from the blade holder on the next cut. It falls down into a waste bin located beneath the cutter head.

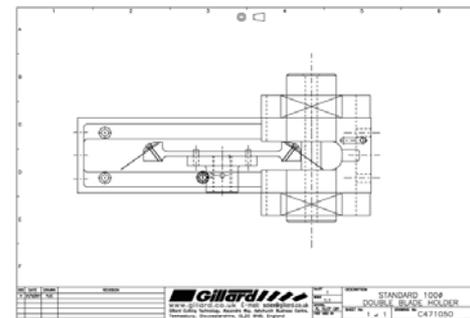
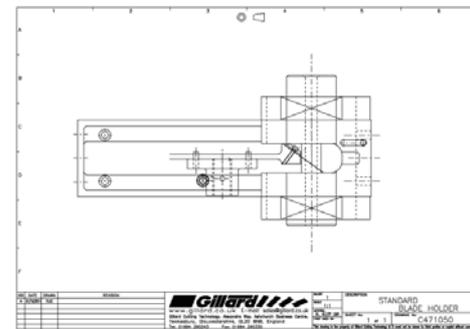
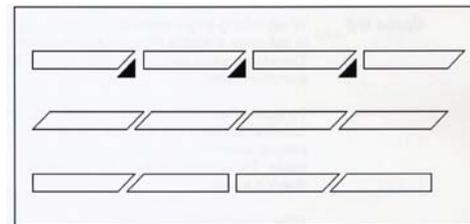
Option M-2 is designed for flexible & semi-rigid plastic tubes up to 20.0 mm outer diameter where the angled cut ends are the same, for example a 45° cut on end of the tube & another 45° cut on the other.

The appropriately angled blade is fitted onto one end of the blade holder (see drawing to the right). Only one blade is required, as the cut angle is the same on both end of the tube. There is no waste piece.

Option M-3 is suitable for flexible & semi-rigid plastic tubes up to 20.0 mm outer diameter where the angle is different at each end, for example 90° at one end & 45° at the other.

In this case the blade holder has two blades, one on each end of the arm. One creates the first angle & the other, the second angle. In this was, the angles alternate along the tube (see drawing to the right).

In all cases, the cutter guide bushes are machined in such a way that the angled blades can pass through without clashing with the cutter guide.



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For more information on our product range.

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