"INVALUABLE TOOL TO

...LONGITUDINALLY FORM TAPES"
TapeFormers Ltd is based in the Midlands (UK), in a factory specifically designed for the manufacture of TapeFormers. We have a wide selection of laser cut and pre-machined parts so that on receipt of your order our skilled and experienced team can manufacture a TapeFormer to your specific requirements. Our dedicated team endeavour to manufacture your TapeFormers and have them delivered to you quickly to help you meet deadlines.

You can search through the full selection of standard TapeFormer models we manufacture in this catalogue. We also cater for individual situations should your requirements differ from our standard TapeFormer models.

Remember, TapeFormers Ltd are here to help and advise you whenever possible. For general enquiries you can contact us by telephone or email. For a free quotation please contact us with the information as in the enquiry form on page 23.

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### Guarantee

All TapeFormers are manufactured on confirmation of order; we do not hold stock of TapeFormers. It is important that you check your specification/s prior to placing the order as we do not issue credit for items incorrectly ordered. All our products are manufactured to a high standard and we are totally dedicated to supplying you our customer the solution to your TapeForming requirements.

For your peace of mind we offer the following six month guarantee. We guarantee that if any TapeFormer we supply does not operate and form just as you require, we will make alterations or replace it to your total satisfaction, giving you the confidence to buy from us.

Terms and conditions: www.tapeformers.com/terms-and-conditions
### Model A - Standard Range

Tape widths ranging from 5mm (0.197 inch) to 20mm (0.787 inch)

#### Options Available

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#### Model A - Diagram

1. Exit Options
2. Cable Guide Options
3. Friction Reduction

#### Model A - Dimensions

<table>
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<tr>
<th>Dimension</th>
<th>Measurement</th>
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<tr>
<td>Tape</td>
<td>102mm x 8mm</td>
</tr>
<tr>
<td>Product Core</td>
<td>24mm x 8mm</td>
</tr>
<tr>
<td>6.5mm</td>
<td>31mm</td>
</tr>
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<td>12mm</td>
<td>52mm</td>
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To view our PTFE video visit: www.tapeformers.com/ptfe
The extra long TapeFormer has been developed to bring the exit of the TapeFormer closer to the extruder head, where the fixing positions for the TapeFormer are distant.

The reason for having the exit close to the extruder head is so the tape is not allowed to unfold. The Model XL is manufactured to a length you specify.

When ordering the Model XL we will require you to specify the required length of the TapeFormer and also the inside diameter of the tube leading into the extruder head.

Our engineers are able to give you specific advice and guidance should you require.

MODEL XL - EXTRA LONG RANGE
Tape widths ranging from 5mm (3/16 inch) +

INVALUABLE TOOL TO LONGITUDINALLY FORM TAPES

Model XL - Information

Options Available

1 Exit Options

- Standard Full Ring Exit
- 3/4 Exit Ring

Cable Guide Options

- Standard Short Tube Guide
- Ceramic Inserts

Full Tube Cable Guide

No Cable Guide

PTFE Inserts

See page 14 for information on the PTFE insert.

To view our PTFE video visit:
www.tapeformers.com/ptfe

Friction Reduction

No Gap

Model A XL

Model C XL

Model A XL - Example Diagram

Specify Internal Diameter of Extruder Tube

Specify Length Tape Former Is to sit inside tube Extruder

Specify Internal Diameter of Extruder Tube
MODEL B - STANDARD RANGE
Tape widths ranging from 21mm (0.827 inch) to 35mm (1.378 inch)

1 Exit Options

- Standard Full Ring Exit
- 3/4 Exit Ring

2 Cable Guide Options

- Standard Short Tube Guide
- Ceramic Inserts
  See page 14 for information on the ceramic inserts

No Cable Guide

Friction Reduction

PTFE Inserts
See page 14 for information on the PTFE insert.

To view our PTFE video visit:
www.tapeformers.com/ptfe

Model B - Dimensions

No Guide or Guide Plate
MODEL C - STANDARD RANGE
Tape widths ranging from 36mm (1.417 inch) to 50mm (1.969 inch)

INVALUABLE TOOL TO LONGITUDINALLY FORM TAPES

Model C - Diagram

1. Exit Options
   - Standard Full Ring Exit
   - 3/4 Exit Ring
   - Closing Exit
     See page 15

2. Cable Guide Options
   - Standard Short Tube Guide
   - Ceramic Inserts
     See page 14 for information on the ceramic inserts

Model C - Dimensions

- Full Tube Cable Guide
- No Cable Guide
- No Cable Guide or Guide Plate

Friction Reduction

- PTFE Inserts
  See page 14 for information on the PTFE insert.
  To view our PTFE video visit: www.tapeformers.com/ptfe
MODEL D - STANDARD RANGE
Tape widths ranging from 51mm (2 inch) to 75mm (2.953 inch)

Options Available

1 Exit Options
- 3/4 Exit Ring (Standard)
- Spring Exit
  - See page 15
- Closing Exit
  - See page 15

2 Cable Guide Options
- Standard Short Tube Guide
- Ceramic Inserts
  - See page 14 for information on the ceramic inserts
- Full Tube Cable Guide
- No Cable Guide
- No Cable Guide or Guide Plate

Friction Reduction
- PTFE Inserts
  - See page 14 for information on the PTFE insert.

To view our PTFE video visit:
www.tapeformers.com/ptfe

Model D - Diagram

Model D - Dimensions
MODEL E - STANDARD RANGE
Tape widths ranging from 76mm (3 inch) to 99mm (3.898 inch)

Options Available

1 Exit Options

- 3/4 Exit Ring (Standard)
  See page 15
- Spring Exit
  See page 15
- Closing Exit
  See page 15

2 Cable Guide Options

- Full Tube Cable Guide

Model E - Dimensions

No Cable Guide (Standard)
No Cable Guide or Guide Plate

Friction Reduction

PTFE Inserts
See page 14 for information on the PTFE insert.

To view our PTFE video visit: www.tapeformers.com/ptfe
MODEL F - STANDARD RANGE
Tape widths ranging from 100mm (3.937 inch) to 130mm (5.118 inch)

Model F - Diagram

1 Exit Options

1. 3/4 Exit Ring (Standard)
   See page 15

2. Spring Exit
   See page 15

3. Closing Exit
   See page 15

2 Cable Guide Options

1. Full Tube Cable Guide

2. No Cable Guide (Standard)

3. No Cable Guide or Guide Plate

Friction Reduction

PTFE Inserts
See page 14 for information on the PTFE insert.

To view our PTFE video visit:
www.tapeformers.com/ptfe

Model F - Dimensions

Options Available

PTFE Inserts
See page 14 for information on the PTFE insert.

To view our PTFE video visit:
www.tapeformers.com/ptfe

www.tapeformers.com       info@tapeformers.com       +44 (0) 1509 768 186
MODEL G - STANDARD RANGE
Tape widths ranging from 131mm (5.157 inch) to 210mm (8.268 inch)

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<td>Spring Exit (Standard)</td>
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<td>3/4 Exit Ring</td>
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<tr>
<td></td>
<td>No Gap</td>
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<td></td>
<td><strong>2 Cable Guide Options</strong></td>
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<tr>
<td></td>
<td>Full Tube Cable Guide</td>
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<tr>
<td></td>
<td>No Cable Guide (Standard)</td>
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<tr>
<td></td>
<td>No Cable Guide or Guide Plate</td>
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<td>Friction Reduction</td>
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<td>PTFE Inserts</td>
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<td>See page 14 for information on the PTFE insert.</td>
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Model G - Dimensions

![Model G Dimensions](image2)
MODEL H - STANDARD RANGE
Tape widths ranging from 211mm (8.307 inch) to 280mm (11.024 inch)

1 Exit Options

- Spring Exit (Standard)
- 3/4 Exit Ring

See page 15

2 Cable Guide Options

- Full Tube Cable Guide
- No Cable Guide (Standard)
- No Cable Guide or Guide Plate

Friction Reduction

PTFE Inserts
See page 14 for information on the PTFE insert.

To view our PTFE video visit:
www.tapeformers.com/ptfe
MODEL H PLUS - STANDARD RANGE
Tape widths ranging from 281mm (11.063 inch) to 480mm (18.898 inch)

Options Available

<table>
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<th>Exit Options</th>
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Friction Reduction

PTFE Inserts
See page 14 for information on the PTFE insert.

To view our PTFE video visit: www.tapeformers.com/ptfe
FORMING PROFILES
TapeForming Profiles to suit any application

Profile A  Profile B  Profile C  Profile D

Profile E  Profile F  Profile G

Profile H  Profile I  Profile X

Profile S (1 Down)  Profile S (1 Up)  Profile S (2 Down)  Profile S (2 Up)

This is Standard Overlap Wrap Directions
Cable and Tape entrance  Cable and Tape entrance

Profile A
Exit of TapeFormer.
Wrap direction advice:
cabling line direction right to left.
Takeup  Operator  Payoff

Profile X
Exit of TapeFormer.
Wrap direction advice:
cabling line direction left to right.
Takeup  Operator  Payoff
How it Works

PTFE Insert

- The PTFE insert provides a very low friction barrier between the tape passing through the TapeFormer and the stainless steel of the Tape Former.
- Available on all TapeFormers. These TapeFormers are manufactured with more clearance to accept the PTFE insert.
- Most effective on tape thickness 0.2mm and thicker.
- Useful when the tape is used metal facing outwards.

Benefits include:
- Greatly reduced friction of the tape passing through the TapeFormer.
- When using metalised tape scoring is prevented because there is no longer a metal to metal contact.
- Because the insert is replaceable once the PTFE is worn out simply replace with a new one.
- Reduced breakages of the tape due to friction.

CERAMIC INSERT

Reducing wear on the cable guide – Extending Life and Reliability

How it Works

Ceramic Insert

- The purpose of the ceramic insert is to reduce wear of the initial cable guide.
- Useful when the cable is bare metal or covered with a braiding.
- Available on models A to D.

Benefits include:
- Longer cable guide life.
**SPRING EXIT OPTION**

**How it Works**

- The Spring exit option is available on Model D, E, F, G, H, H Plus.

**Spring exit features:**

- Ability to adjust the exit diameter of the TapeFormer by small amounts.
- Adjustment of the spring pressure.

**Benefits include:**

- A constant pressure is applied to the cable maintaining a tight wrap.
- The Spring allows for small changes in the cable diameter while maintaining a good tape wrap.

**CLOSING EXIT OPTION**

**How it Works**

- The top overlap is closed down resulting in no gap.

**Benefits include:**

- Tightly wrapped tape.
- Less likely to require closing dies.
- Possibility to use narrower tapes.
TapeFormer designed to be mounted in a holder. Uses the closing exit to make a tight wrap of the tape around the individual bunches prior to twisting.

Benefits include:
- Guaranteed tape overlap direction.
- Better tape control.
- Tight tape form around the cable.
- Greatly reduced friction.

Tape wrap direction advice:
- Cable Z Lay = Profile A
- Cable S Lay = Profile X
How it Works

• For large tape widths, recommended 400mm +.
• Exit options are 3/4 ring exit or spring exit.
• Possible profiles are A or X.

Profile A
Profile X

How it Works

• Folds one edge of the tape back on itself.
• This is commonly done to allow a connection between the conducting sides of the tape.

Profile S
Profile S (1 Down)
Profile S (1 Up)
Profile S (2 Down)
Profile S (2 Up)
How it Works

- Applies two tapes in one process.
- If required, a drain wire can be introduced between the tapes.
- Profile E is possible with tape widths from 5mm up to 280mm. Please enquire about larger tape widths.

Tape Profiles

Profile E

Profile E(1)  Profile E(2)

With drain wire (you can specify its position)  With drain wire (you can specify its position)

Without drain wire  Without drain wire

Ceramic Inserts
See page 14 for further information on the ceramic inserts.
How it Works

Benefits include:

• Very accurate forming of the tape.
• Quick load times.
• Reduced tape breakages.
• Almost no tension is required on the tape.

Standard Overlap Wrap Directions

Cable and Tape entrance

Profile A

Exit of TapeFormer cable, with tape securely wrapped around it.

Profile X

Exit of TapeFormer cable, with tape securely wrapped around it.

Special Overlap Wrap Directions

Profile E2

Profile S (1 Down)

Profile S (1 Up)

Profile S (2 Down)

Profile S (2 Up)
JELLY FILLED CABLE TAPEFORMERS
The unique solution for Jelly Filled Cables

INVALUABLE TOOL TO LONGITUDINALLY FORM TAPES

This TapeFormer has been designed especially for jelly filled cable

Benefits include

- No inner lips for the jelly to build up on.
- 3/4 ring exit so jelly is not able to build up.
- Recessed mounting screw holes, alternatively a bracket can be fitted.

FLEECE TAPE TAPEFORMERS

This TapeFormer has been designed for delicate tapes for example fleece.

- Pre TapeFormer tape guide / tensioner.
- Top PTFE insert to keep the tape in shape throughout the TapeFormer.
- Longer TapeFormer length for more gentle tape forming.
- Samples of cable and tape are required to manufacture this TapeFormer.
Do you have an application that will require a special design of TapeFormer?

Do you have a TapeFormer that differs from our standard design and would like to keep this design?

We are able to manufacture TapeFormers of all kinds, specific to your individual requirements. We can develop a special TapeFormer or copy your existing TapeFormer.

**Examples of special TapeFormers we have manufactured:**

Due to the nature of special TapeFormers we cannot guarantee perfect success. Any alterations or remanufacture of these TapeFormers will be charged for on a case by case basis.

**TAPE PAYOFF**

with integrated TapeFormer mounting bench

Suitable for TapeFormer models A to D Tape widths up to 75mm.

- TapeFormer mounting bench is adjustable up and down.
- It is possible to tilt the TapeFormer mounting bench to align a TapeFormer with the cable.
- TapeFormer mounting bench can slide forwards and backwards. This allows easy TapeFormer loading when slid back and brings the exit of the TapeFormer close to the extruder head when slid forwards.
Small TapeFormer Mounting Bench with slide forwards top
Suitable for Models A, B, C and D

The top of the TapeFormer mounting bench slides backwards to allow loading of the TapeFormer.

The top of the TapeFormer mounting bench slides forwards to allow the TapeFormer exit to be close to the extruder head.

Large TapeFormer Mounting Bench
Suitable for Models C, D, E, F, G, H and H Plus

If you have a model range that is across the two benches we can manufacture a special bench for your requirements.

TAPEFORMER TOLERANCE

A TapeFormer exit is a fixed dimension and it is designed to be used with the cable diameter, tape width and tape thickness it has been manufactured for.

A jam will occur if a TapeFormer is used with a larger cable diameter, tape width and tape thickness than it was manufactured for, so this is not possible.

In some cases, it is possible to use a TapeFormer with a smaller cable diameter, tape width and tape thickness when used with a tape closing device e.g. a die. We cannot give guidance on how much smaller the cable and tape can be, tests need to be made to decide what is acceptable. The pictures on the right give an idea of what happens when a TapeFormer is being used with the correct size cable and tape, and a smaller cable and tape. We cannot guarantee the performance of a TapeFormer that is being used with a smaller cable and tape that it was manufactured for.
TapeFormers are manufactured as fixed sizes so each cable and tape combination will require a separate TapeFormer.

The size of the TapeFormer is decided by the tape width and is shown as Models in our range.

Tape width is decided by the cable circumference plus the required overlap.

In order to make a quotation we require the following information for each TapeFormer

1. Tape Width:

2. Tape Thickness:

3. Is there a splice (joint) made in the tape that is to pass though the TapeFormer?
   If yes what is its thickness at this point?

4. Cable diameter before tape application? or exit diameter?

   Cable diameter before tape application.

   TapeFormer exit diameter.

   Please specify which dimension you are giving us.

5. Profile.
   If not shown on our profiles page.
   Please send a picture or make a drawing.

6. TapeFormer type:
   - Standard Model
   - Model Extra Long
   - Short TapeFormers
   - Profile E Double wrap TapeFormer
   - Profile S TapeFormer
   - Braiding Machine TapeFormer
   - Jelly Filled TapeFormer
   - Special TapeFormer
   - Fleece TapeFormer
   - Micro TapeFormer
   - LAN Twist TapeFormer

7. Cable Guide options:
   - Ceramic Insert Models A to D
   - Short Tube Guide Models A to D
   - Full Tube Guide
   - No Cable Guide
   - No Cable Guide or Plate

8. Exit Options:
   - Closing Exit
   - Spring Exit Model C to I Version
   - ¼ Ring Exit
   - Full Exit Ring


10. Customer Details:
    - Name:
    - Position:
    - Company:
    - Telephone:
    - Email:

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