

A framing workshop often has a need to wrap mounted prints, frames and similar. The lowest cost and easiest method is shrink wrapping.

In this Cordless system, the Sealing Arm sits in the Heating Base, 240v, with no wire connecting them. The operator lifts the arm out of the base unit and can use it anywhere on the work table. After a use cycle, it is placed back in the base to re-heat.

It's a great way to apply clear shrink-film protection to frames, mounted prints and posters on board. Also great for all kinds of low-volume shrink film wrapping and protection for products and packages. With practice it wraps art prints up to the size of the shrink film, 780mm max. Also, wraps packs up to about shoe-box size.

The Sealing Arm, 785mm, drops into the Heating Base. There, it heats and re-heats and stays hot through a normal sealing cycle. The base plugs into a normal 240v 13a socket. Heating level is adjustable to achieve a fine balance between sealing and cutting the shrink film. It can take a little practice to achieve this.

The two strips of silicone foam rubber, included, should be laid as an L on the work table. They form a non-stick surface. The hot edge of the Sealing Arm should be smeared regularly with a thin film of the silicone grease, included.

This Cordless Shrink Wrapping system has no trailing leads and offers little restriction as to where on the work table the film is sealed and cut. The system comes in two parts, 3450 and 3451:

3450 Cordless Shrink Wrapper system kit includes:

- Heating Base 785mm long
- Sealing Arm 785mm/31"
- Silicone Foam Rubber Strips, pack of two
- Silicone Grease tube 50gm

3451 Rolls Dispenser unit, with separator bar (detachable). 510mm / 20" wide and takes film up to 762mm / 30" wide. Carries the significant weight of a 600m roll of shrink film.

You will also need a hot air gun to shrink the film. This is the kind sold by DIY stores to help strip paint.

The Cordless Shrink Wrapping system is designed for fair and intermittent use

Cordless Shrink Wrapper system is made in the UK, engineered to ISO 9002 and carries the CE mark. It requires a 240v, 5 amp supply. Some details of the design are copyright or subject of patent applications. *The system is designed for fair and intermittent use.*



Operating Instructions

Setting up

Open the packing cartons carefully and lay the parts of the system on a large table. The edge on the Sealing Bar is carefully engineered and can be damaged with careless handling. According to usage, wipe a film of silicone grease on the sealing edge daily

The Cordless Shrink Wrap system Base Unit is supplied ready to plug into a 230v 13a supply. If you need to use an extension lead, keep it as short as possible. Ideally, to avoid trailing leads, the socket should be close to the work table. Always switch off and un-plug the system when not in use. The Heating Base unit has a 3 amp fuse.

For convenience, the Heater Base unit may be placed with the controls away from you, but ensure that you can read the setting of the temperature adjusting knob.

Working Table layout

To ensure a smooth even cut and seal, lay the two strips of silicone/foam rubber in an L, as in photo. The strips must be quite flat and free from grit and rubbish.

When using shrink film, place the roll on the Rolls Dispenser with the separator, and with the open film edge towards you. Most shrink film is supplied folded. On a new roll of shrink film, it can take a little time to find the open edge, so be patient and small pieces of self-adhesive tape can help. Once the open edge is found, mark the inside of the film roll with an arrow.

Care and Maintenance

The Cordless Shrink Wrap system is durable, but should be kept clean. The base unit gets hot, and should be positioned away from any obstructions and never cover unless cold and switched off.

A regular wipe over the heated edge of the Sealing Arm with a tissue with silicone grease, 3837, will minimise the pick-up of film residue when the bar is hot. Any film residue should only be rubbed off with a piece of scrap mountboard – *never* use anything metallic or abrasive.

The PTFE coated edge of the wand itself is vulnerable to damage. Take care not to drop it and always store it either in the base unit or on a suitable hook on the wall.

Shrink Films & Temperature Setting



1 Slide frame between film layers and to left

Finding the correct temperature setting is essential for successful working. Users may find that they need to make adjustments to suit slight variations in the thickness of different materials and in ambient temperature.

19µ PVC Shrink Film Start with a setting of 72°C / 150 - 170°F

Polyolefin Shrink Film Start with a setting of 73°C / 170°F

When you switch on, the neon indicator should glow. If not, turn the black knob to a higher setting. The neon goes out when the machine reaches the working temperature you have set. The neon indicator will pulse on and off as the temperature is maintained.

Operation - Shrink Wrapping



2 Use Wand to seal a long side

Switch on the base unit and allow to warm up, taking about 10 minutes. A trial with the material you are using will tell you when it has reached working temperature.

If it is a new roll of film, sit it on the Rolls Dispenser unit with the separator bar in place. Peel the film open and pass it above and below the separator bar. Pull it a little to the left, and using the hot wand, press down to seal/cut the end.

As you press down with the hot Sealing Arm, pick up the left-hand end of the film away from you. Gently pull it up and towards you. Practice this technique. You will gradually acquire the trick of pressing down with the hot wand, waiting a moment, then lifting and pulling the film. Once you have practiced this, you can proceed to shrink wrap a frame or a mount.

Place the item to be wrapped between the folded shrink film. Tuck it up to the top left of the sealed edge of the film. Pull it away so that the right-hand edge of the item is over the silicone foam strip next to the rolls dispenser. Press down with the Sealing Arm and peel the item up and away. It should come cleanly.

Next, position the object so that the front edge is over the other strip of silicone foam. Press down again with the Sealing Arm, and pick up and peel away the surplus film.



3 Seal and cut film to front

Shrinking the film



4 Apply heat to film on back of frame

To start, turn the object over and blow hot air onto the back – this will pull the seams around so they don't show on the front. Practice to find the appropriate amount of hot air to blow on the film. The more the hot air the faster the shrink, but too much will cause the plastic to melt and holes appear. Keep it moving, and do not aim at the seams or the corners, as these are the weak points.

Cordless Shrink Wrapper System

3450 Heating Base unit 230v, with 785mm / 31" Sealing Arm. Kit includes silicone foam strips and silicone grease. £395.00

3648 Sealing Arm only, 785mm / 31" £208.80

3423 Silicone foam rubber strip 100mm x 915mm pack 2 £21.65

3837 Silicone grease 50gm £8.33

You will also need:

3451 Rolls Dispenser: Shrink film normally comes folded and in quite heavy rolls. The Rolls Dispenser allows film to be pulled off the roll. The open edge of the folded film should face the operator and the Separator Bar opens it up, allowing the product to be slipped in. £118.77

4798 Heat-shrink Wrapping Film, folded. Roll 450mm wide, 600mm long. £55.00

Optional:

3452 Sealing Arm only 610mm / 24" spare £131.35

3649 Heating Base unit 1125mm long £295.00

Best prices of all of the Cordless Shrink Wrap system and details of the shrink wrap films can be found at: lionpic.co.uk

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Any prices quoted are correct as at September 2020. Please check before ordering.

