Production ideas to utilise our Bonding and Lamination Machines:

Lamination of fabrics
For example, table covers or upholstered furniture fabric
Our bonding machines can be used in conjunction with our lamination films to provide durable/wipeable fabrics for applications such as table cloths, aprons, oven gloves plus provide upholstered furniture against accidental spills. A clear gloss/satin or matte plastic film overlay is laminated on the face of the fabric to provide ultimate protection against accidental spills which can easily be wiped clean.

Fabric Backings
Strengthen your textiles for upholstery, acoustics, filtration window blinds and so much more….

What is fabric Backing?
Fabric backing is a means of permanently/temporary bonding of one fabric to another, or another substrate. This adds body, resiliency, and durability whilst eliminating seam slippage. Fabric backing makes light to mid weight fabrics such as silks, cottons, linens, polyesters, and chenille more suitable for upholstery use.
What type of knit backing can be handled?

Examples of different types of fabrics range from:

- Flat weave fabrics – regular, plain, solid and flat weave
- Embroidered – textured, plaid and stripped fabrics
- Velvet, suede and delicate fabrics
- Loosely woven fabrics
- Any many more …..

Example of fabric with knit backing

Knit backings are permanently bonded to the back of fabrics, adding body, resiliency, and durability while eliminating seam slippage. Such fabric backings make lightweight fabrics such as silks, cottons, and chenille more suitable for upholstery use. Knit backings provide a luxurious feel to fabrics while increasing wear resistance for longer life.

Our experience is in the supply of bonding and lamination machinery and consumables which has allowed us to develop extensive knowledge about backing processes that minimise puckering, bonding separation, and grain distortion which are common with fabrics backed using conventional methods. In addition, variations such as creases, wrinkles, uneven salvages, shadings, and distortions are minimised by our knit backing techniques thereby enhancing the fabric’s visual appeal.

Common Uses for Knit Backing

We have worked with a variety of companies and individuals who need to reinforce fabrics and textiles. These include fabric wholesalers and distributors, furniture manufacturers, interior designers and decorators, drapery workrooms, upholsterers and more.

Our knowledge means we can tackle a variety of projects, from hundreds of meters to special custom projects. Additionally, our customers frequently apply knit backings to leather for upholstery. Leather’s unique and characteristic texture is maintained by our specialised bonding machinery.

Acrylic vs Knit Backing

Acrylic backing is a liquid coating that is applied to the back of the fabric and solidifies. This is not suitable for thin fabrics and delicate silks because the coating can seep through and stain the face of the fabric. Unlike acrylic, knit backing is a woven fabric which is applied to the back of the fabric
using a heat-activated dry adhesive that does not penetrate through to the fabric.

Knit backed fabrics are also easier to cut and sew as compared to acrylic backed fabrics. This is because the acrylic coating has the tendency to dull cutting edges and sewing needles due to its nature. Therefore, more frequent maintenance of sewing equipment is often required when working with acrylic as compared to knit backings.

**Recommended Treatments for Knit Backed Fabric**

Fabrics knit backed for upholstery, such as chairs, sofas, headboards, and upholstered walls are often stain protected. We have a complete range of stain protection products for all types of natural and man-made fabrics.

More and more designers are using knit-backing in place of interlining draperies. In this case we recommend ultra-violet protection with the stain protection.

**Stain Protection for Fabric**

Protect your fabrics from spills. Water beads and rolls right off of stain protected fabric.

Our stain protection technologies make it easier to keep your upholsteries, draperies, and fine fabrics looking fresh and clean, protecting them from soil, stains and spills. Our processes do not impact the weight, look, feel, or colour of the fabric.

**Paper Backing Fabric**

To turn your fabric into wallpaper, we offer two types of paper backing:

- **Non Woven Backing:**
  Paper backing is a type of non-woven, paper-type backing that provides the necessary stiffness and moisture protection to fabrics to make them more suitable for wall pasting type applications.

- **Paper Backing:**
  This is a non-breathable backing applied to make fabrics suitable for albums, book covers etc. where blackout is also desired. This process is not recommended for wall pasting applications.

Wallpaper backing applied to tightly woven fabric to be used as wall coverings.

Wallpaper backing is a nonwoven material that is applied to the back of fabrics to make them suitable for use as wall coverings. This adds body, stability, and makes the fabric easier to work
with when cutting and pasting onto a wall. We have developed custom techniques which will allow us to turn your favorite fabrics into striking custom wallpaper.

Fabric-covered walls create a luxurious effect and offer unique options for patterns and textures on vertical surfaces. They also add sound absorbing and insulating qualities to a room. However, fabric cannot be applied directly to the wall without paper backing. For example, fabrics can react to heat and humidity causing sagging and bubbling, adhesives can seep through and stain the face of the fabric, and grains are often difficult to align. Paper backing minimizes these common issues.

**Bonding Fabrics & Materials – Why not offer a service?**

Fusing fabrics and materials is the process of creating a permanent bond between two or more substrates. These substrates can be the same or different materials. The resulting product combines the best features of each to create a reinforced product with enhanced durability, puncture resistance, and stiffness.

Our customers routinely bond products such as vinyl, PVC, leather, ultra-suede and many natural and synthetic fabrics. We serve a variety of industries including medical, recreation, hospitality, footwear, apparel, and contract furnishings.

Wallpaper backing applied printed fabric can incorporate a moisture barrier film between the nonwoven backing and the fabric, which prevents the glue from seeping through. The face of the fabric is stain resistant making it resistant to moisture and stains and making the fabric easier to clean with a moist sponge or cloth.
Paper backed silk fabrics

This is a non-breathable paper backing applied to fabric which are excellent for applications such as book binding album covers etc. Its provides necessary stiffness and allows easy cutting on slitters or vacuum tables for cutting and handling.

It’s an easy to use machine/process and you can turn your stunning silks, linens, cottons or other fabrics into wallpaper. You can even work with your chenille, grass-cloth and any other material that you would like to use on your wall.

We have successfully applied backing on a wide variety of fabrics including:

- Silk Fabric
- Linen
- Polyester
- Cotton
- Solids, Plaids & Stripes
- Embroidered & Pleated
- Velvet
- Vinyl
- Embroidered
- Chenille
- Leather
- Faux Leather
- Plastic
- Loose weave fabric