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The set-up and adjustment of the chain-stitch make it possible to link knits ranging from gauges 7 to 16 on the same machine. Tedious and repetitive preparation is avoided thanks to a detection camera which calculates every displacement.

At IMB 2009 Anne Selby won an award for her Compleat pleating machine

PLEATING MACHINERY

At IMB 2009, Anne Selby—a British designer who specialises in creating luxurious textured silk accessories—won an award for her Compleat Arashi Shibori pleating² machine (see Figure 3).

Figure 3
The Anne Selby Compleat Arashi Shibori pleating machine



Source: Anne Selby

The machine facilitates the pleating of fabric in the style of *arashi shibori*

The machine, which is powered electrically, facilitates the pleating of fabric in the style of *arashi shibori*—a Japanese technique of overwrapping fabric on a pole with string, and compressing it to give a pleated finish.

It takes the physical strain out of the pleating process while still allowing designers to be creative

The machine takes the physical strain out of the pleating process while retaining enough flexibility to allow designers to be creative.

It can be used for wrapping, over dyeing and steam setting—

It also features an integrated steam system.

As a result of all these features, the machine can be used to complete the following three stages:

- wrapping;
- over-dyeing to introduce colour along the peaks of the pleats; and
- steam-setting dyes and pleats.

—and to semi-permanently pleat fabrics made from natural fibres

The machine can be used for semi-permanently pleating fabrics made from natural fibres (see Figure 4).

² A pleat is a type of fold formed by doubling fabric back on itself and either: securing it in place by means of ironing or heat setting to form a sharp crease; or leaving it to fall in soft rounded folds.

Figure 4
Pleated shawl in the style of *arashi shibori* produced by Anne Selby's Compleat Arashi Shibori pleating machine



Source: Anne Selby

DECORATION MACHINERY

Machinery for decorating jeans

Designers of jeans are always looking for new ways to decorate their garments and machinery manufacturers are keen to respond

Designers of jeans are always looking for new ways to decorate their garments in order to make them look innovative and different from competing designs.

Inevitably, machinery manufacturers are keen to respond to this need.

Barudan has produced a machine which makes it possible to cross-seam embroidery on the legs of finished jeans

Barudan, a Japanese manufacturer and distributor of embroidery machines, has produced a machine, called the BEVY-Z1204C, which has a specially designed long cylinder frame. This provides it with a larger area for embroidering long tubular goods than any other machine in the world. The inception of the new machine has made it possible to cross-seam embroidery on the legs of finished jeans for the first time.

The machine was showcased at IMB 2006 but is still a new concept

The machine was shown to the clothing industry for the first time more than three years ago—at IMB 2006, which was held in Cologne, Germany, on May 10-13, 2006. Nonetheless, it is still a new concept.

TPM Germany has developed a multifunctional machine which can perform many printing and finishing operations

TPM Germany, a German machinery manufacturer, has developed a multifunctional machine for embossing, transfer printing, screen printing, hot-foil stamping, PVC/flock welding, die cutting and combination work (see Figure 5).