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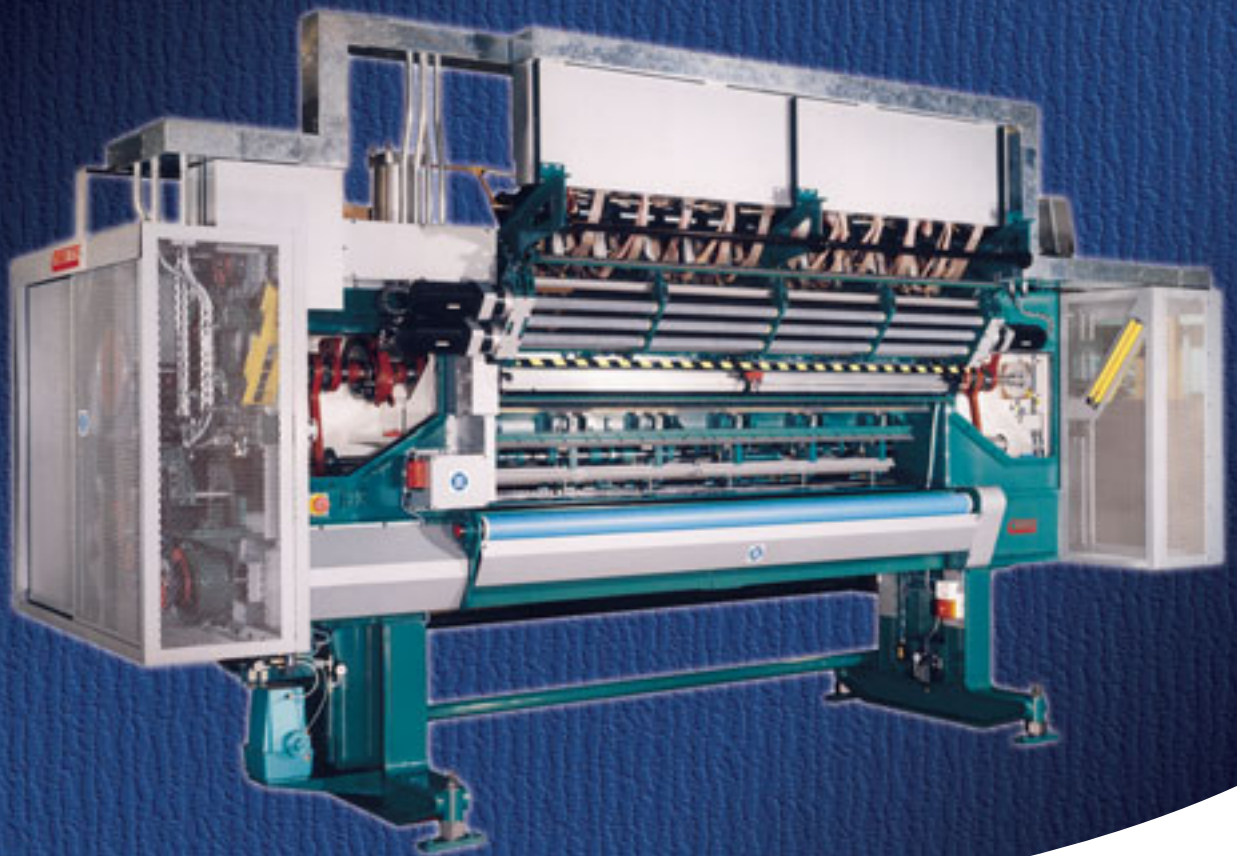
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# Full Repeat Scroll

- Two and three pile heights
- Control of each individual yarn
- Applications in domestic, contract, rug and bathmat markets

Full Repeat Scroll



# Full Repeat Scroll

## Full Repeat Scroll

Full Repeat Scroll (FRS) is a sophisticated pattern attachment, giving high/low effects by the control of each individual yarn. The single end yarn control facilitates pattern designs of any length and width up to 5m, at any gauge down to 1/10". The two pile height attachment, as featured on the front cover, can also be produced dual sided.

Pile height changes are therefore possible within one stitch, enabling precise carpet designs to be made. FRS machines produce well defined, self-coloured sculptured type patterns. The end and end (alternate) threading of two colours of yarn enable a two colour pattern to be produced using the buried end technique.

Yarn is delivered over yarn feed rollers: one set runs fast, the other slow. High or low loops are produced depending on which of the double rollers is in contact with the yarn.

The attachment can be used in conjunction with sliding needle bar and is compatible with loop pile, cut loop or level cut loop machines.

The FRS yarn roller system is compact and set at a height lower than the machine with consequent operational advantages. The pattern attachment on the front of the machine allows easy access for both the operator and maintenance technician.



Low access for maintenance



FRS with new multi-media panel



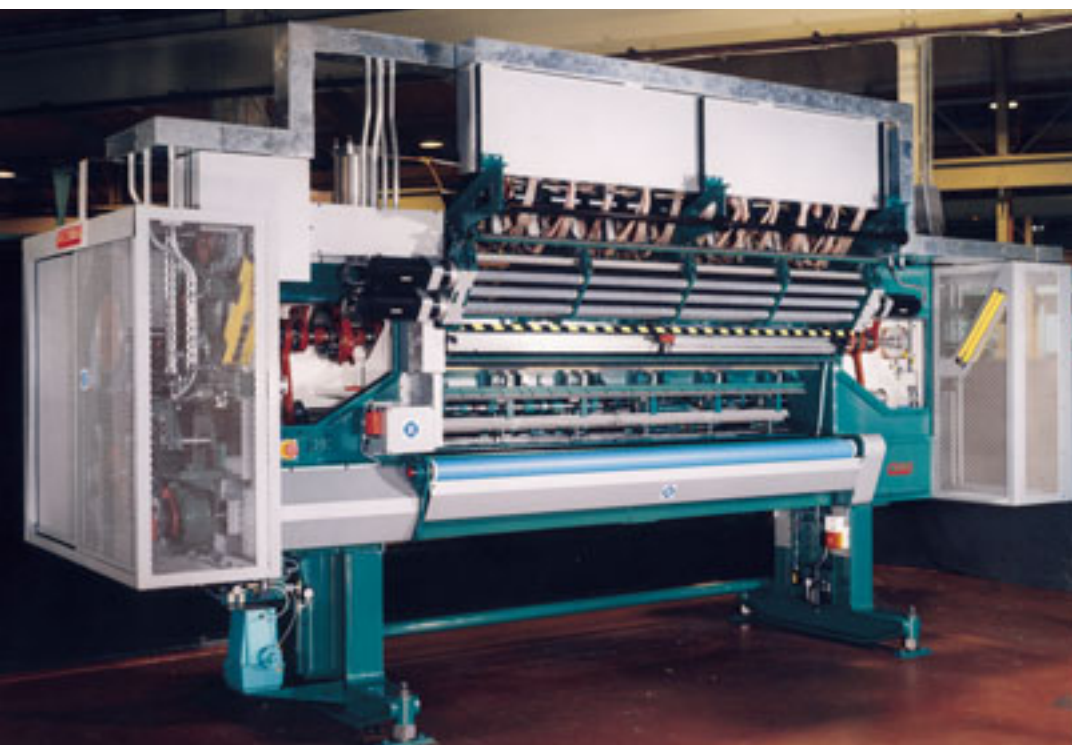
### Three Pile Height

Cobble are alert to the changing demands of the market place, and have developed a three pile height version of FRS, by introducing an extra set of yarn feed rollers. Yarns are now fed slow, medium or fast depending on the roller in use.

The pile height options available are either high cut, medium and low loops on a cut/loop machine, or alternatively three pile loop. An additional benefit of the three pile height version is its obvious flexibility to also produce two pile height product.

### Rugs and Bathmats

The FRS is extensively used in the manufacture of rugs and bath mats, and the three pile height version is sure to expand the design potential of the end product. The direct yarn feed guarantees improved definition in the pattern design, and computer control enables more than one rug or mat design to be produced simultaneously on a 4m or 5m machine.



Machine featured opposite is a 2 metre wide machine with servo driven three pile height FRS attachment, used in conjunction with Electroshifter servo driven sliding needle bar.

This is a typical arrangement for tile production.

### Tile production

Some tufting companies have found a niche, or maintained their market lead, by utilising the FRS for tile manufacture. A worldwide leader uses the FRS to make 1/12" gauge contract tiles in novel collections, by extracting the full patterning capability of the machine. The product is able to create customised styles with unique texture, colour and integrated pattern.

