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## Spitting image in wall carpet

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### Abstract

Carpets play an extensive role in interior design and décor – decorative as well as functional. Wall carpet is generally used in corporate interiors and by extension in conference centers, convention halls. It absorbs sounds and helps reduce operating cost because of its durability. Spitting image in wall carpet is an innovative type of wall hanging, specially prepared for hanging on room and hall ways for decoration. Weaving of spitting image in wall carpet is a challenging craft with about a million threads to keep track simultaneously. It can be tricky to get the features of the face correctly and still suggest the personality of the person.

**Keywords:** Spitting image, wall carpet, interior design and décor

### 1. Introduction

Carpet has been used as a decorative and functional design element for thousands of years. The indoor environment can be impacted by carpet in various ways. Carpet designs usually consist of an inner field, the pattern in the centre of the carpet and a border. The latter serves, like the cornice on a building or the frame on a picture, to emphasize the limits and isolate the fields.

Carpet weaving that date as far back as to the 2<sup>nd</sup> millennium BC and weaving tools which date back to the 4<sup>th</sup>-3<sup>rd</sup> millennium BC as witnessed by the Gultapin excavations in Azerbaijan, where carpet weaving tools were discovered in the site. In the 18th Century Oriental rugs were first used on floors as well as on table coverings and wall hangings. However, by the middle of 18th century they were mostly used as wall decorations and on tables.

Wall carpet usually consists of natural imprints. Wall carpet is the best way to décor rooms and it also reduces echo in any wide area places such as conference hall, drawing room etc. Spitting image is a human portrait image in wall carpet.

India produce coarse and medium pile carpets by utilizing heavier, bulkier, springy and strong yarns whereas the units producing fine and superfine qualities use lustrous silky and white yarn. The ideal carpet wool should have properties such as high pile cover, impact resistant to pile deformation and resiliency. It should be free from shedding, matting or flattening of the pile.

Wool is also characterized with a soft crispy feel, silky luster and dye without significant skitterines. Spitting images on carpet were prepared at Indian Institute Carpet Technology, Bhadhoi, Uttar Pradesh.

### 2. Methodology

Wall carpet with spitting images was prepared by using Kibby carpet sampling machine. It is an automatic high speed sampling machine to produce carpet samples consistently, efficiently and at a competitive cost. This machine can work from a color bar of up to 20 colors; the machine takes individual tufts of yarn and inserts them in a 'U'-shaped form directly into the holes of the pegboard at insertion speeds of 180+tufts per minute. A full range of carpet sampling techniques including tufted and woven required for spitting image carpets produced upto 18"x 18"(457 x 457mm) of desired pitch (1/4 gauge to 1/16gauge) in both directions. The electronic carpet weaving machine requires technical expertise.

The carpet sampling machine was equipped with a dedicated PC computer, which monitored and controlled all machine functions. The computer was capable of accepting design-files from users of existing carpet design CAD systems, as well as popular bit-map windows image

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design programs. It was configured on Win 95/98/NT/2000 network to accept files directly from the CAD system. The

machine also included the ability to inputs simple designs and repeats without the use of the CAD system.



Fig 1: Kibby Machine used to prepare wall carpet with spitting images (a) Front view (b) Back view

### 3. Results and Discussion

#### 3.1 Raw Materials

Woollen yarns of various counts were used to manufacture wall carpets with spitting images. Other yarns used in the carpet were made of cotton. Unlike floor carpet silk yarn is not used in making spitting image carpets. Preference of carpet manufacturers regarding raw materials for carpets is presented in Fig 2.

#### Preference of raw materials by carpet manufacturers

The perusal of the Fig 2 reveals that 70.00 percent wool yarn required as raw material for carpet manufacturing while only 30.00 percent cotton yarn is required in carpet manufacturing. Wool and cotton is used to make the pile of the carpet and cotton yarn is used for warp and weft of the backing material.

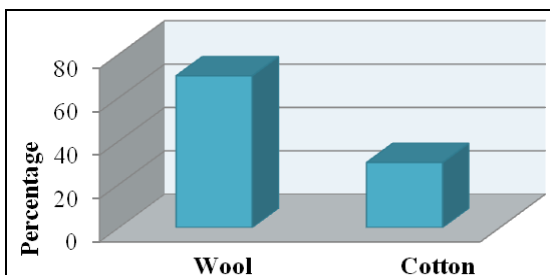


Fig 2: Preference of raw materials by carpet manufacturers

Spitting image wall carpet was preparation took 4 hours with very less amount (200g) and up to 20 colours of yarn (Fig 1). The unit is compact, quiet and easy to install and with a floor area of 2Mx4M and can generally be accommodated within an existing design centre.

The Kibby Carpet Sampling Machine provides the flexible and quick response required to meet the exacting design and production requirements of carpet manufacturers today. Some of the prepared spitting images are shown in Fig 3 and Fig 4.



Fig 3: Spitting images attached with carpet machine (a) Spitting images in computer (b) Prepared spitting images



Fig 4: Prepared spitting images (a) DR APJ Abdul Kalam (b) Baba Ramdev

#### 4. Conclusion

The study revealed that spitting image in wall carpet is an Innovative way to décor the interior of any room. It is also an attractive gift for our loved ones because it's a unique way to draw human portrait. Spitting image wall carpets is new commercial weaving technology highly valued in export market. Electronic carpet weaving still has a lot of potential to be exploited. There is an ample scope for numerous possibilities of geometric and naturalistic designs for wall carpet and earn foreign exchange.

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