

## **AUTOMATIC CENTERING OF THE PRIMARY BACKING WEB**

In today's modern Tufting Department, the guiding and centering of the Primary Backing Web is gaining importance and offers Carpet Manufacturers many advantages from yarn savings at the Tufting Machine to Coating and Finishing stability. The problem has been how to retrofit such a system onto an existing Tufting Machine while at the same time designing the system to be operator friendly? The only answer is to Application Engineer each system based on the customer's unique requirements, the Tufting Machine to be retrofitted, the products to be tufted, the department's budget, etc. This is why Essex offers our customers six different Guiding configurations, ranging from the extremely simple Edge Guiding System to the more complicated New Dimension Guiding System.

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**TUFTING MACHINE WITH OPTI-GUIDE**

With each new Guiding challenge we perform the same structured analysis that we do with all of our other carpet products:

- ◆ An experienced and qualified technician will thoroughly spec the process for all design considerations.
- ◆ Design the Guiding System based on Application Engineering principles.
- ◆ Installation by our experienced installers.
- ◆ Start-up by a specialized service tech.
- ◆ After Sales Service provided to be certain that all components and systems are operating at peak performance.
- ◆ PM Service contract available to be certain that the installed system(s) are always operating as our customers expect.

## FEATURES:

- ◆ PLC Control System.
- ◆ Automatic and manual mode control is supplied.
- ◆ Powerful Diffuse Reflective Sensors for “above the backing” sensing. Avoids contamination.
- ◆ All sensor combinations are virtually maintenance free and only require an occasional wipe-down.
- ◆ Proportional Sensors are available for extremely precise guiding.
- ◆ All sensor combinations are adjustable depending on changing conditions.
- ◆ Pneumatic Air Cylinders are used to actuate the guiding mechanism so as to avoid oil contamination created by leaking oil seals, that is common with hydraulic systems.
- ◆ Simple / inexpensive systems to more complex / precise systems can be delivered.
- ◆ All materials supplied are non-corrosive.
- ◆ Many options are available – Automatic Data Gathering, Backing Lifting Device, Width Adoptive Systems, Alarm Lights, Automatic Piston Centering, etc.
- ◆ Operator friendly systems.

## BENEFITS:

- ◆ Yarn savings via precise guiding of the backing.
- ◆ Coating and Finishing stability via even selvages.
- ◆ Air Cylinders eliminate environmental contamination.
- ◆ Removal of one more operator procedure.
- ◆ Elimination of accidental machine crashes due to backing run-out.
- ◆ Machine down time due to the operator manually centering the backing is eliminated.
- ◆ Totally automated – no maintenance.