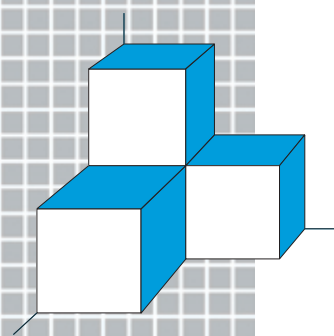
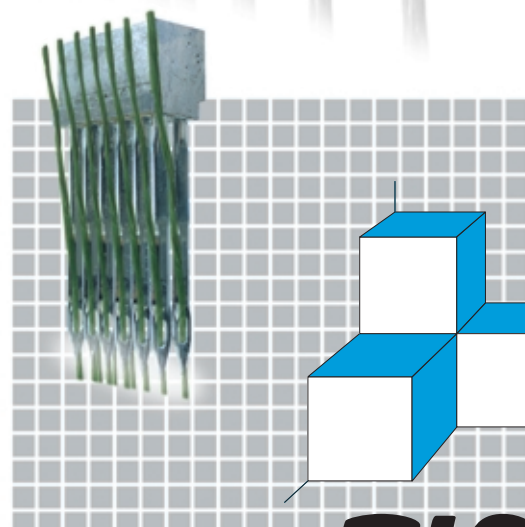


Since 1983 Matrix has developed and sold machine vision systems for the textile industry and particularly for the carpet industry. Vision systems are used for quality control and also as a part of machine control, cutting and folding machines.

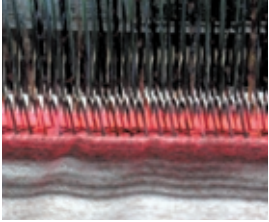


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TIS

End Out Detector



TIS

The TIS can stop the tufting machine as soon as any thread is missing in its needle. All threads are inspected 100% at any tufting speed. The TIS is suited for loop pile, cut pile and cut-loop pile machines. It can also be used at cloth sliding and needle bar sliding.

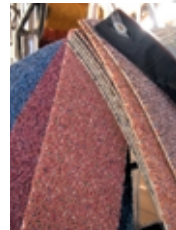
The TIS inspects thread presence between the needle tips and the backing every time the needles are in the top position. It stops the machine when a thread is missing

during an adjustable number of consecutive stitches. It shows the needle number in large digits on the display. The operator selects inspection areas by entering the starting needle number and the width of each section. In each section all needles are inspected. For optimum performance the needles should be raised at least 4 mm above the backing for a single row needle bar and 5 mm for a staggered needle bar.



- Error length for detection is down to 3 stitches so mend length in carpet is mainly dependant on machine stop length.
- Pollution proof because of presser foot with built in lighting.
- Available scanning width from 192 to 512 centimetres in 32 centimetre increments.
- Suitable for any gauge.
- Scanner box is standing free from the tufting machine. Adjustable height.
- The steel box is dust proof.

- Suited for any make of tufting machine such as Cobble, Tuftco, CMC and Yamaguchi.
- System does not depend on yarn colour or diameter.
- For more than ten years the TIS has proven to be very reliable.
- Simple operation.



MATRIX