

SuccessStory at
Harris Tweed Hebrides Ltd, UK

Exceptional accuracy
with SL smart weft-straightener

The Situation



The Scottish tweed manufacturer [Harris Tweed Hebrides](#) finishes 100% woolen, handwoven cloth and stands as a world class leader in British luxury cloth with an extensive, high quality product range.

The company was looking for a weft straightening system to replace the pinwheel system previously used.

| | |
|------------------------|------------------------------------|
| Fabric details: | Handwoven tweed, 100% woolen |
| Weights: | 260 – 353 g/m ² |
| Widths: | 750 – 1500 mm |
| Length: | Each individual tweed approx. 50 m |



Goal of the customer:



- **Precise correction** of the weft **without usage of pin wheels**
- **Automatic adjustment** and **easy operation** on a wide range of weaves and the variations that occur with handwoven fabrics
- **Increasing productive times**

The Solution



SL smart automatic weft-straightener including the high-tech **traversing camera technology** gives the customer several advantages:



User-friendly, self-explanatory interface



Recipe management for sophisticated straightening



Traversing camera with many measuring points across the width, ensures accurate straightening



Fast reaction time for best straightening results



Low-maintenance with easily accessible cleaning

The Success

„SL smart weft-straightener performs very well with our product.

The traversing camera is exceptionally accurate and automatically adapts to a wide range of weaves.

The system of skew and bow rollers allow precise alteration of the weft without the possibility of damage to the fabric.

Excellent support from PLEVA team.“

David Stewart, Harris Tweed Hebrides Ltd



Our impact as your HEROES FOR SUSTAINABILITY

- Only one round through the production line with the respective fabric is needed and the aimed result is directly produced.
- This saves energy and valuable resources.
- Due to the higher quality of the goods, there are no more costly readjustments or wasted fabrics, and customer complaints can be reduced drastically.