### Installation options:

**In-line:**
- Following the dyeing range dryer
- Upon exit of a finishing range.

**Off-line:**
- As a stand-alone system
- As plant’s final quality control post
- As warehouse’s incoming inspection post
- For cut & sew mapping before spreading.

### Characteristics

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fabric width</strong></td>
<td>Up to 190 cm. (7.5 ft.)</td>
</tr>
<tr>
<td><strong>Fabric speed</strong></td>
<td>Up to 150 meters/minute</td>
</tr>
<tr>
<td><strong>Number of measurements</strong></td>
<td>3 width measurements: left, center and right</td>
</tr>
<tr>
<td><strong>Spectrophotometer accuracy</strong></td>
<td>0.1 ∆E</td>
</tr>
<tr>
<td><strong>Light source standards</strong></td>
<td>Up to 10 different light sources: A, B, C, D55, D65, D75, TL84, F2, F2CWF, F12U30.</td>
</tr>
<tr>
<td><strong>Alarm</strong></td>
<td>Visual alarm activated on predefined threshold deviations</td>
</tr>
<tr>
<td><strong>Main modes of operation</strong></td>
<td>Remote inspection: real-time monitoring of inspected roll using a remote computer Queue: An inspection roll’s buffer work plan</td>
</tr>
<tr>
<td><strong>Installation</strong></td>
<td>Any angle from vertical to horizontal</td>
</tr>
<tr>
<td><strong>External interface</strong></td>
<td>• Length meter signal and serial communication connections to EVS I-TEX system • Seam detector-automatic detection of roll’s end to end - Optional</td>
</tr>
<tr>
<td><strong>Standard physical dimensions</strong></td>
<td><strong>Scanner unit:</strong> Width: 365 cm. (11 ft. 6&quot;) Height: 54 cm. (1 ft 9&quot;) Length: 59 cm. (1 ft 1&quot;) <strong>Work Station:</strong> Width: 66 cm. (2 ft 2&quot;) Height: 150 cm. (4 ft 11&quot;) Depth: 56 cm. (1 ft 10&quot;) Weight: 240 Kg Weight: 115 Kg</td>
</tr>
<tr>
<td><strong>Environmental conditions</strong></td>
<td><strong>Operating temperature range:</strong> 1 to 50 °C (34 to 122 °F), with internal cooling. <strong>Humidity:</strong> up to 85% non-condensing</td>
</tr>
<tr>
<td><strong>Electrical power requirements</strong></td>
<td><strong>Main power supply:</strong> Single phase 120/220VAC, 50/60 Hz <strong>Power consumption:</strong> Maximum 3KVA</td>
</tr>
<tr>
<td><strong>Compressed air</strong></td>
<td>6 Atm., oil free and dust free dry air. Volume: 0.5 cubical meters per hour</td>
</tr>
</tbody>
</table>

### SVA Lite

**SVA Lite** - a system for measuring, monitoring, analyzing and controlling textile shade consistency during fabric flow.

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The company reserves the right to make such alterations as are deemed necessary to ensure continued improvement of its products.
SVA Lite, a new generation in shade monitoring technology developed by EVS, is a compact yet powerful tool that monitors shade variations in almost any process where color is critical. SVA Lite offers much more than a moving spectrophotometer; it provides a real-time shade variation data in an accessible and user-friendly manner never offered before.

Inspected fabric shade standards, can be provided from different sources. The system quality analysis tools continue to be utilized by the user following the inspection, as it also includes automatic cut planning and sorting options designed to maximize profits from the dyed fabric rolls.

The system's qualities and features are gathered into a modern and compact frame for easy integration with any production line and can be viewed and operated from any local area networked PC.

- Improved first choice yield
- Enhanced process control
- Consistent shade of end product by batch-to-batch and batch-to-sample comparison
- Major reduction of lab sampling - reduced operational burden
- Immediate identification of faults originating at the dyeing-finishing process
- Optional automatic feedback to the dyeing control computer
- Reduced customer claims
- Shade sorting by correct utilization of the results
- Accurate data for optimized roll cutting
- Shade variation analysis using absolute scientific values

**Data analyzing**
- A flexible report generator supplying a wide range of quality reports
- Separate or combined graph displays of CIE - L*a*b* or CMC shade measurement and ∆ELab calculation
- Numerous shade readings of every selected point on the roll
- Beginning to end and side to side displays
- Zoom-in on any selected piece of the fabric
- Relative and absolute scientific values according to standards
- Convenient threshold adjustment

**Real time feedback**
- Real-time graph display (ΔE, ΔL, ΔA, ΔE/CMC, etc.)
- Pre-defined thresholds for each graph
- External alarm - activated upon identification of deviations, exceeding the threshold
- Real-time monitoring display at any networked remote PC
- Seam detector for automatic recognition of a new roll (Optional)
- Output to a marking device (Optional)

**SVA Lite technical features:**
The SVA Lite is based on a moving spectrophotometer for side to side and beginning to end shade measurements.
- Spectrophotometer accuracy of 0.1 ∆E
- Standard CIE - L*a*b* shade measurement
- L*a*b* or CMC ∆E calculation
- Choice of 10 light source standards
- Built-in 555 color matching software
- Digital shade standard library
- Cut-planning tools

**Roll cutting**
The system offers several cut-planning options, which can be displayed on the monitor prior to the roll cutting, to ensure a uniformed color lot.

In order to eliminate off-shade pieces from the fabric, the system offers planning of "cut-outs" according to predefined quality classes. The fabric shades are sorted using the 5-5-5 color matching method.

**Selection of shade standards**
- Fabric swatch - allows the loading of an actual shade standard swatch into the system, using the sample drawer.
- Selected point on a monitored fabric roll.
- Previously inspected roll stored in the roll's digital shade standard library.