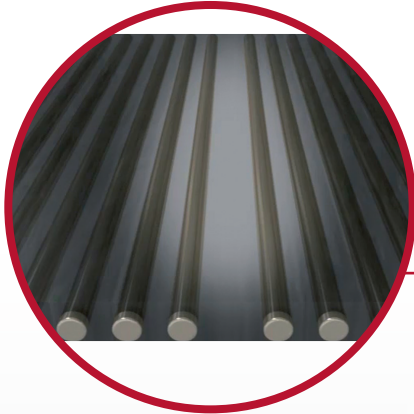


STEEL CORD INSPECTION



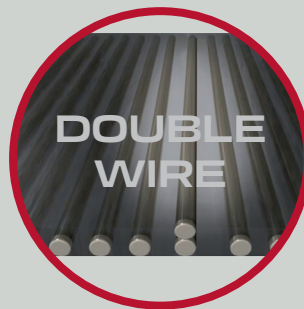
## SIS VISION VALIDATION

HIGH-PRECISION VALIDATION PIECE

- **Quality Assurance** - Ensure consistency and accuracy of detection
- **Validation** - Verify detection sensitivity
- **Process** - Ensure repeatability of procedures



SIS-VISION-VALIDATION - Your testing confidence ...



# SIS VISION VALIDATION

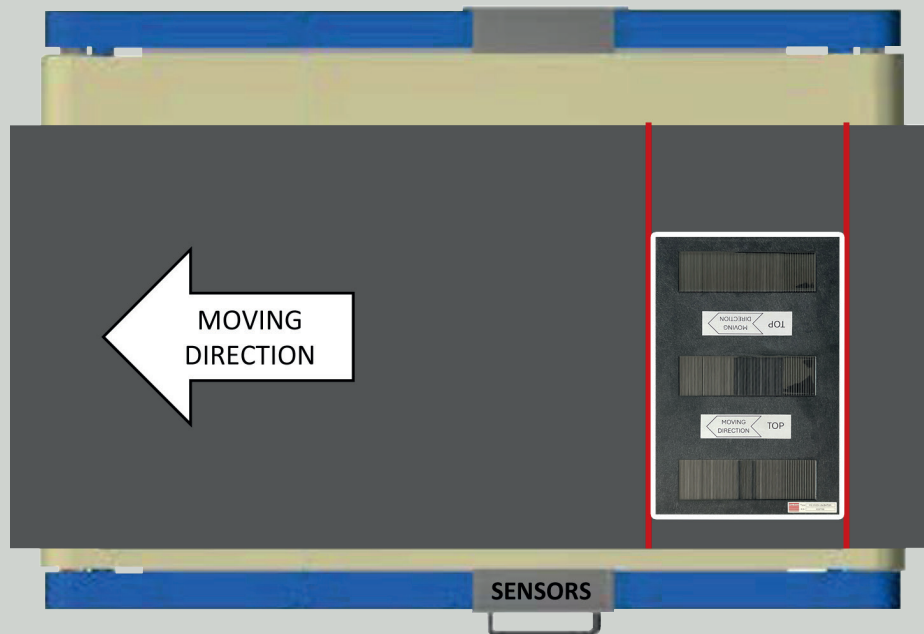
## Description:

The SIS-VISION-VALIDATION masterpiece for SIS VISION is used to verify if the adjustment and function is correct and to ensure same daily detection quality. It is delivered in a transport case to avoid damage and other environmental effects.

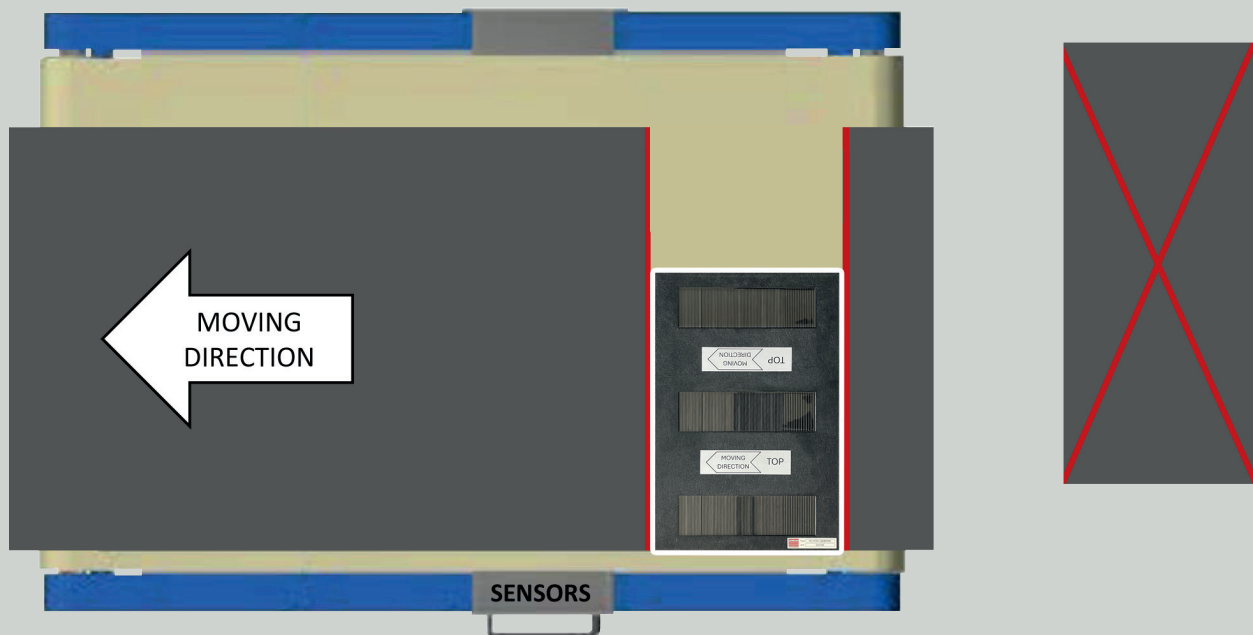
## Instruction for usage of the SIS-VISION-VALIDATION:

### Step 1: Preparing the repair table

a) Place the VALIDATION plate on top of the steel cord, before the SENSOR-DRAWER and cut (red) left and right the rubber.



b) Remove the steel cord piece and place the VALIDATION plate on the lower edge parallel to the cord.

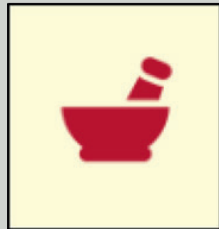


\* same preparation is also valid for angle material, recommended angle 45 till 75 degree.

# HIGH-PRECISION VALIDATION PIECE

## Step 2: Preparing the SIS VISION Software

- Open the recipe manager as user "Admin", "EditRecipe" or if recipe already exist "SelectRecipe".
- Create (or select if already exists) a new recipe named "Validation".
- Setup all values as seen in the picture below especially for pace, offset and EPDM min/max.



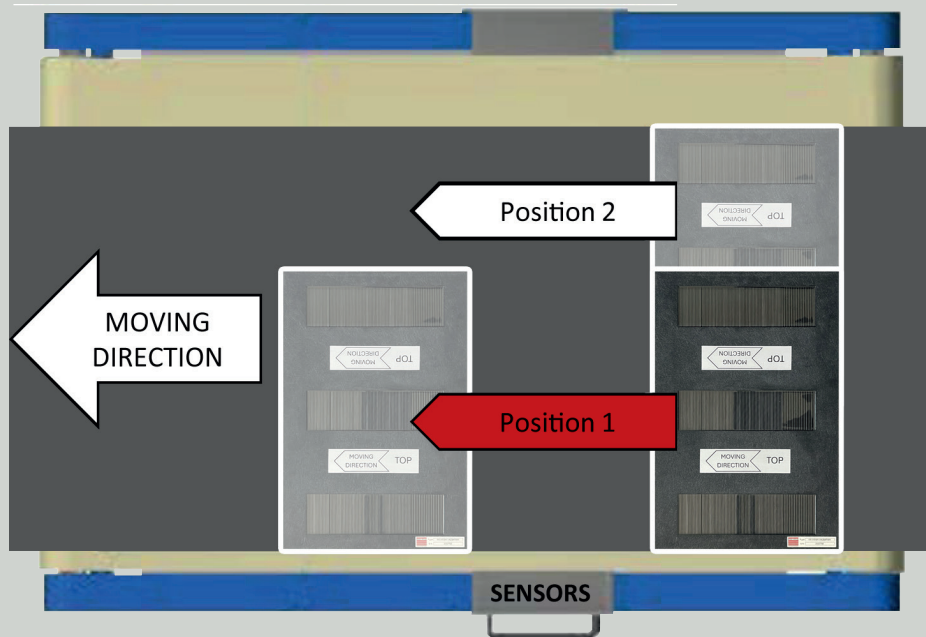
The screenshot shows the SIS VISION software interface with the following configuration for the 'Validation' recipe:

- Nbr.: 28
- Recipe name: Validation
- Pace min.: 1.20 mm, max.: 3.50 mm (ON mm)
- Offset min.: 60 %, max.: 140 % (ON)
- EPDM min.: 40, max.: 80 (ON)
- Belt width: 1200 mm (Automatic)
- Thickness: 2.40 mm
- Offset: 1.20 mm
- Pace: 2.00 mm
- Diameter: 0.80 mm
- Space: 1.20 mm
- Wire angle: 90.0 °
- EPDM: 50.0

| Act. | Nbr. | Recipe name | Pace | Diam. | Angle | Space | EPDM | Thickn. | Offset | Width | Type    |
|------|------|-------------|------|-------|-------|-------|------|---------|--------|-------|---------|
| Yes  | 28   | Validation  | 2.00 | 0.80  | 90.0  | 1.20  | 50.0 | 2.40    | 1.20   | 1200  | Vision  |
|      | 9999 | Calibration | 2.00 | 0.80  | 90.0  | 1.20  | 50.0 | 2.40    | 1.20   | 2000  | Classic |

## Step 3: Run VALIDATION process

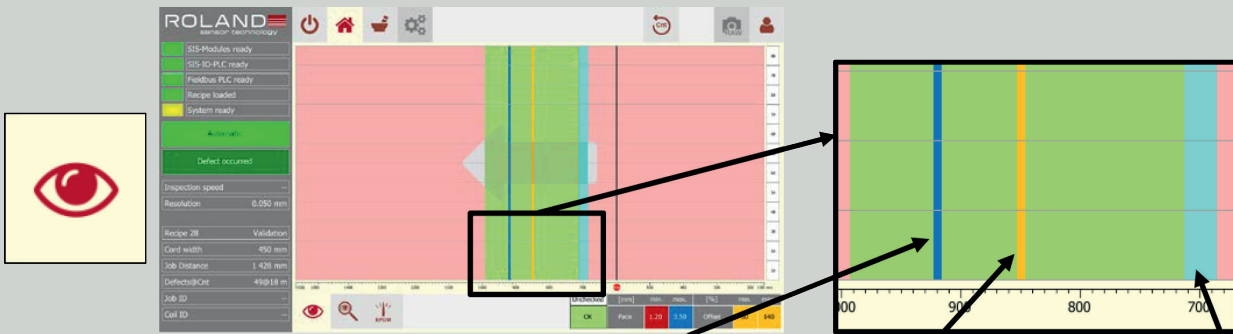
- Start moving the VALIDATION plate over the sensors in moving direction on position 1. Recommended speed 10m/min.
- Check results on the screen – see step 4, repeat on position 2 after step 3.



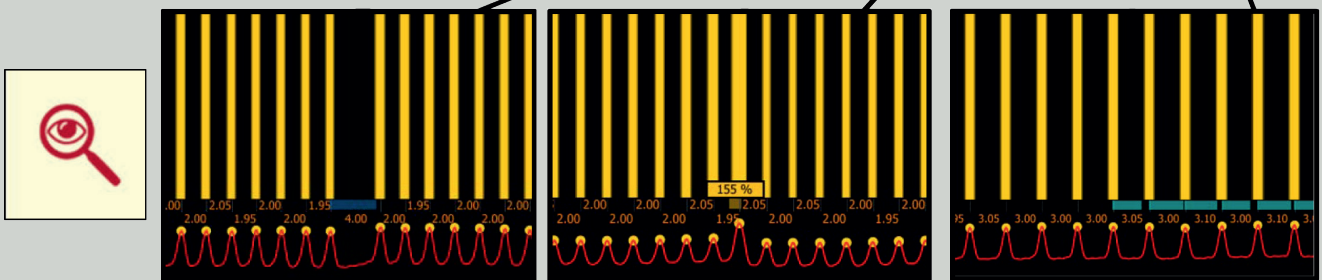
# SIS VISION VALIDATION

## Step 4: Check VALIDATION results

- a) Signal created by steel cord before and after VALIDATION plate must be ignored (red or blue markings depending on existing configuration of steel cord - here shown in pink)
- b) Check results on the screen - VALIDATION plate must show blue (missing wire), yellow (double wire) and skyblue (EPDM)



- c) Check results on the "Detail view", shown values can variate depending on adjusted resolution and used speed.



- d) Repeat Step 3 on next position and verify by step 4 results, depending on sensor amount.

## Technical Data

| Specification     |  |
|-------------------|--|
| Prepared defects: | Missing Wire (4.0mm), Double Wire, EPDM Defect (3.0mm pace); Regular pace 2.0 mm   |
| Size and weight:  | Validation plate 320 x 480 x 7 mm (width x length x height) approx. 2kg<br>Transport case 570 x 415 x 215 cm (width x length x height) approx. 4,65 kg |
| Material:         | Composite material based on glass mat reinforcement, embedded steel wires  |
| Temperature:      | 0° - 50°C (32° - 122°F) operating and storage  |
| Suited for:       | 90° steel cord and breaker lines   |

## Order Information

| Part no.              | Description   |
|-----------------------|---|
| SIS-VISION-VALIDATION | Article consisting of validation plate and transport case |

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