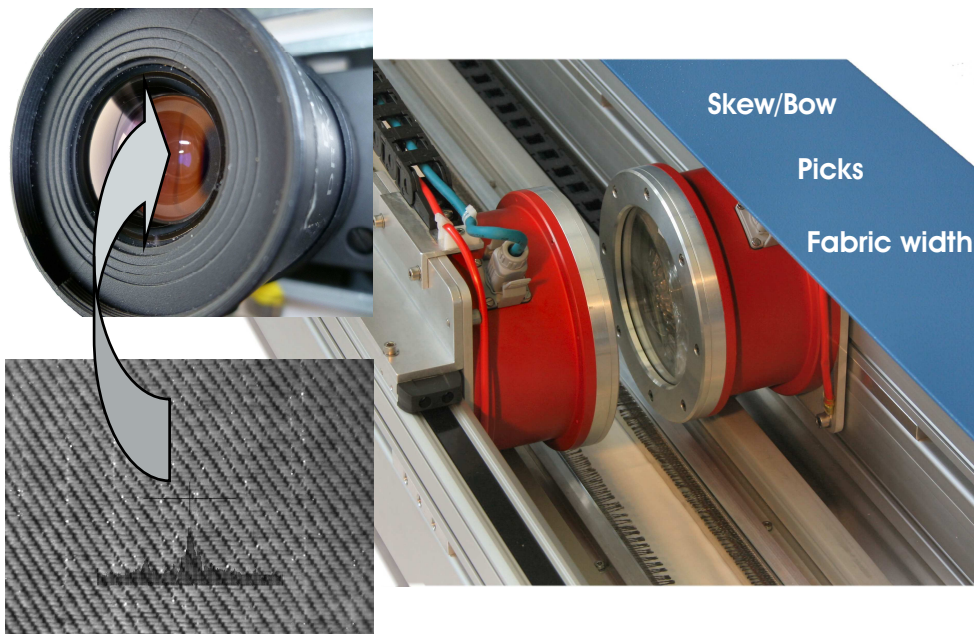
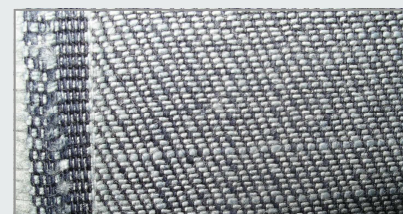


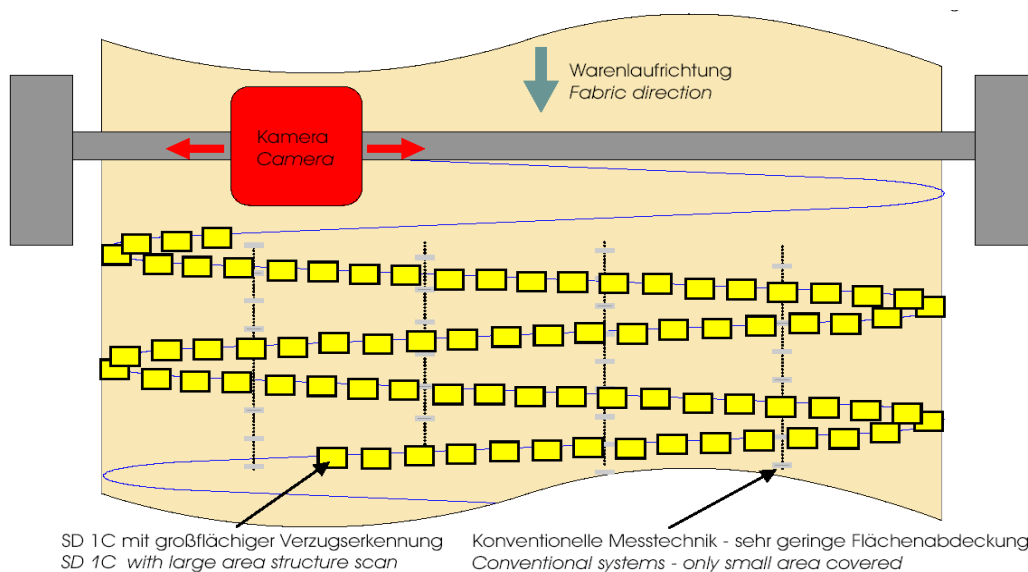
Denim Quality Management with the new sophisticated SD 1 C DENIM



The new Structure Detector SD 1 C DENIM is a fast traversing, high resolution CCD camera system especially designed for distortion analysis and pick counting of DENIM. In combination with the latest lighting technology it allows to get real-time information even on overdyed black denim. Any kind of distortions (wavy distortions, distortions in the selvage area) are reliably scanned by the Structure Detector SD 1 C steadily traversing across the complete width of the fabric. Conventional systems are limited to a small area due to design.



Denim Fabric



**Large number of measuring points
over the width - up to 40 points per 2.0 m**

Structure Detector SD 1 C Denim

NEW CAMERA AND LIGHTING TECHNOLOGY

For black
overdyed DENIM

For very complicated
fabric structures

Not depending on speed

Selvage to selvage
detection

MEASURING AND REPORTING OF FINAL

- ♦ SKEW
- ♦ BOW
- ♦ WIDTH
- ♦ PICKS
- ♦ SHRINKAGE
- ♦ LENGTH
- ♦ SPEED

SENSORS AND CONTROLS

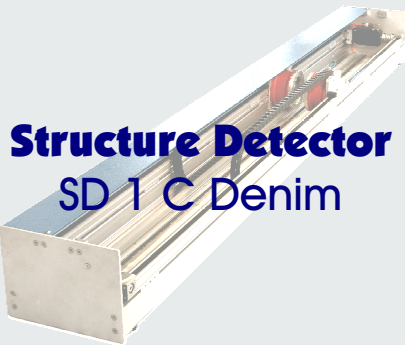
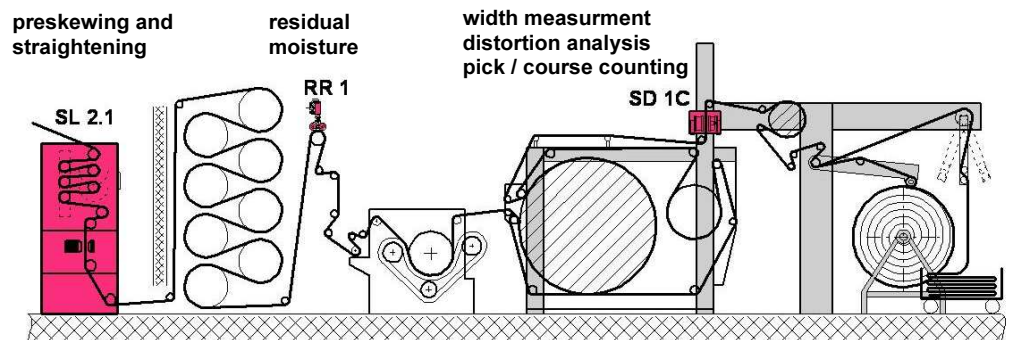
- ◆ Special printer software
- ◆ Batch report via USB or Ethernet
- ◆ Optimisation of shrinkage
- ◆ Minimisation of over delivery → Costs
- ◆ Right first time
- ◆ Report for your customers

Reporting

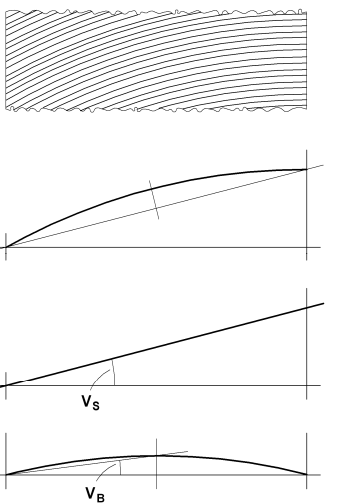
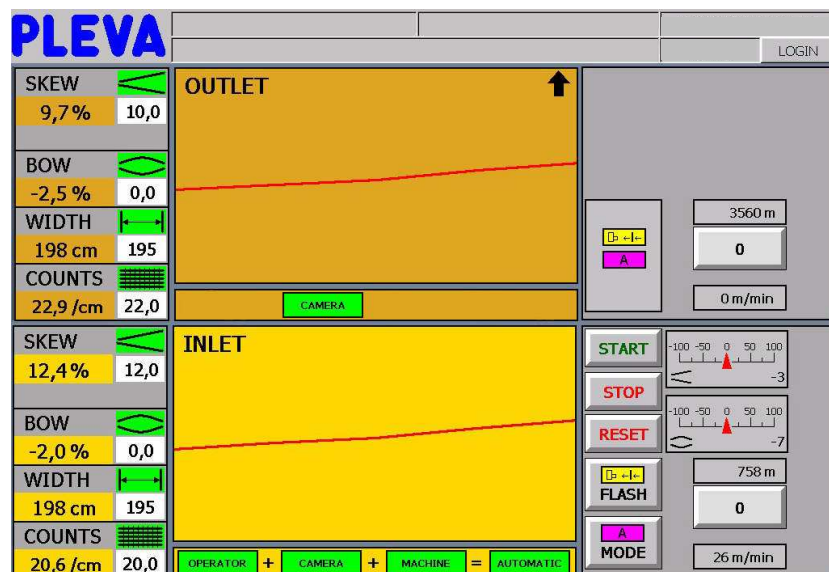
Speed m/min	Meter m	Skew %	Bow %	Width inch	Picks Inlet	Picks Outlet	Shrinkage	NOK
50	475	7,3	0,1	59,2	52,3	58,2	10,1	
50	470	7,1	0,2	59,3	52,3	57,9	9,7	
50	465	6,9	0,1	59,1	52,6	58,2	9,6	
50	460	7,0	1,8	58,9	52,1	57,7	9,7	X
50	455	7,0	0,2	59,0	52,3	57,7	9,4	
50	450	7,2	0,2	59,4	52,1	57,2	8,9	
50	445	7,1	0,1	59,1	52,6	57,7	8,8	
50	440	6,9	0,0	58,9	51,6	56,9	9,3	

X : Fabric out of tolerance

Controlled preskewing - Shrinkage - Final report



Process visualization 15" touch screen



Skew and bow distortion