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BIANCO WEIGHTEX SWB1 /SWT2

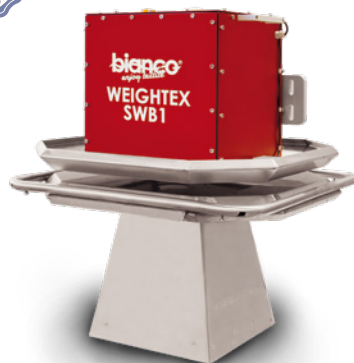
Bianco® Instrumentation is a complete range of components for optimal control of fabric processes at various stages of finishing.

Bianco® Instrumentation includes:

- Bianco® FLUO
- Bianco® MISTAV SCM1
- Bianco® FTC7
- Bianco® Uncurler-M
- Bianco® Uncurler-P
- Bianco® Ecotex SE1
- Bianco® Hygrotex SH1
- Bianco® Termofix SP2
- Bianco® INRAM
- Bianco® TGC02
- Bianco® SPC2/SCS1
- Bianco® STHA2
- Bianco® VDTEX
- Bianco® WEIGHTEX SWB1/SWT2
- Bianco® SSCANS/SSCANM
- Bianco® SSCANL/SSCANXL



SWB1



SWT2



SWB1

The **Bianco® WEIGHTEX SWB1 Sensor**, through the use of low power soft backscatter X-rays, remotely detects the specific weight of moving tapes. The tape can be, for example, fabric, TNT, plastic film or any other homogeneous or inhomogeneous material comparable to these materials. The system consists of 2 parts, a passive mechanical shielding and focusing part placed below the tape being measured and the sensor placed above.

measurement principle	soft low-energy X-ray backscatter
beam generator	X-ray tube
measuring range	10 – 700 g/mq on PET base
repeatability	+/-0,1% o +/- g/mq on PET base (2 sigma 1s – the greater)
free distance for tape rolling	15 mm
electric power of complete measuring system	< 1Kva (including control panel and cooling system)
sensor temperature range	5 – 70°C
control panel temperature range	0 – 55°C
cooling cabinet temperature range	5 – 50°C
installation positioning	fixed or sliding on a translation frame for width measurement
scanner systems translation speed	1 – 10 m/min depending on the application field

SWT2

The **Bianco® WEIGHTEX SWT1 Sensor**, through the use of low power attenuated soft X-rays, remotely detects the specific weight of moving tapes. The tape can also be formed by superimposed, laminated or coated layers or by composite or layered materials. The system consists of 2 parts, the emitter below and the reader above.

measurement principle	soft low-energy "attenuation" X-ray
beam generator	X-ray tube
measuring range	50g – 10Kg/mq on PET base
repeatability	+/-0,1% o +/- g/mq on PET base (2 sigma 1s – the greater)
free distance for tape rolling	25 mm
electric power of complete measuring system	< 1Kva (including control panel and cooling system)
sensor temperature range	5 – 70°C
control panel temperature range	0 – 55°C
cooling cabinet temperature range	5 – 50°C
installation positioning	fixed or sliding on a translation frame for width measurement
scanner systems translation speed	3 – 30 m/min depending on the application field