

# OPTICAL WEFTSTRAIGHTNER

Machines for correcting the fabric distortions.



## OPTICAL WEFTSTRAIGHTNER

Machine used to correct diagonal and/or curved weft distortions.

<b>overall dimensions L x H x W</b>	1550 x 840 x (RW+1320) mm weight 1500Kg
<b>material</b>	carbon steel or stainless steel (optional)
<b>color on painted steel</b>	RAL 7021 for the structure RAL 9006 for side doors
<b>rollers width</b>	from 1800 mm to 4000 mm
<b>fabric width</b>	from 1600mm to 3800mm
<b>skew rollers number</b>	3 Ø 114 mm (heavy rollers optional)
<b>bow roller number</b>	2 / 3 Ø 120 mm
<b>deflection of bow rollers</b>	MDC 3% FDC 2,5%
<b>max skew correction</b>	stroke 240 mm +/-120
<b>max bow correction</b>	stroke 120°
<b>max skew speed</b>	25 mm/sec
<b>minimum skew displacement time</b>	9sec
<b>max bow speed</b>	9°/sec
<b>minimum bow displacement time</b>	13 sec
<b>max speed of MDC model bow roller drive</b>	up to 150 m/min
<b>max speed of FDC model free bow roller</b>	up to 250m/min
<b>max fabric tension</b>	4kN standard version 8KN reinforced version
<b>voltage</b>	standard 3x400 VAC – 50 Hz or others on request
<b>installed power</b>	6 Kw
<b>motorization</b>	AC controlled by inverter
<b>speed compensator</b>	with variable weight (fabrics <50 g/sqm) adjustable through program
<b>reading heads</b>	STD3 (Smart Thread Detector 3)
<b>analyses per minute</b>	600÷1800 using reflected light and pulsing light simultaneously
<b>light sources</b>	2 high power illuminators with pulsing infrared light, used simultaneously for illumination withreflected light and pulsing light
<b>no. heads in standard reading unit nr. teste</b>	from 2 to 14 STD3 sensors connected via serial line to electric panel
<b>no. heads in oscillating reading unit (option)</b>	1 or 2 SCS1 sensors connected via serial line to electric panel
<b>user interfaces</b>	VDTEX 15" touch with LinVDTEX system and LinPRINTER
<b>ambient temperature</b>	from 0° to + 55° (optional a/c for electrical cabinet)
<b>noise</b>	<75 dB(A)



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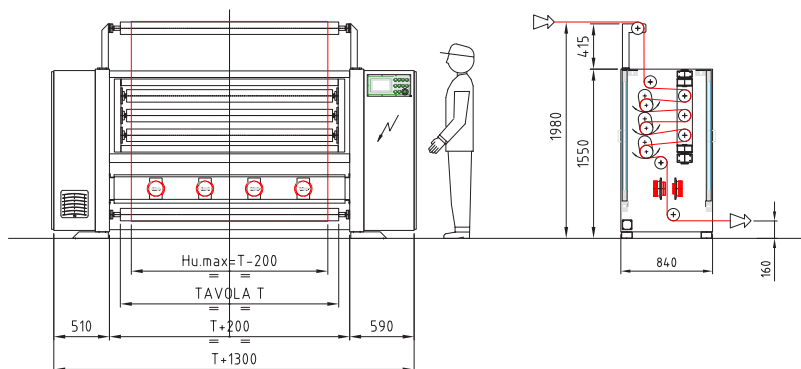
## CONFIGURATIONS

(RDT-STC2 basic model)

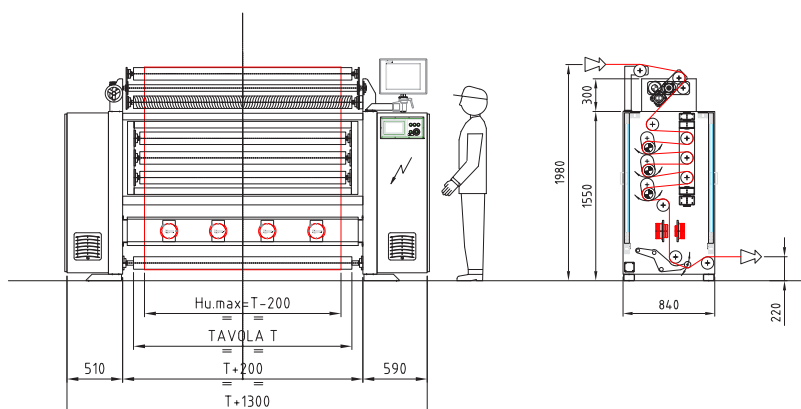
- bow rollers 2
- fixed bridge
- reading heads in reflection STD2 (SINGLE SCAN)
- graphic op panel OP7
- AC motors controlled through inverter

## OPTIONALS

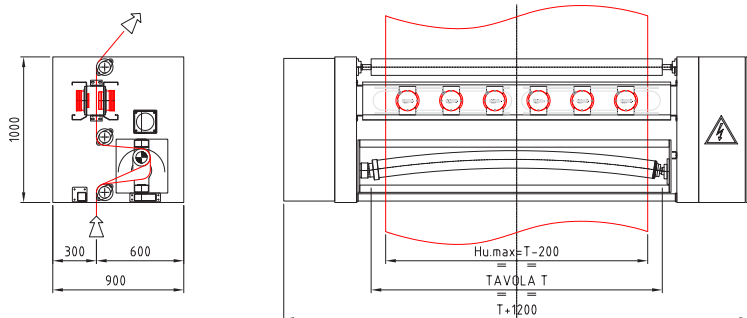
- additional bow roller
- mobile reading bridge or scanning reading bridge
- reading heads + projectors reflection and transparency STD2 (TWIN SCAN)
- operator panel 15" touchscreen LinVDTEX



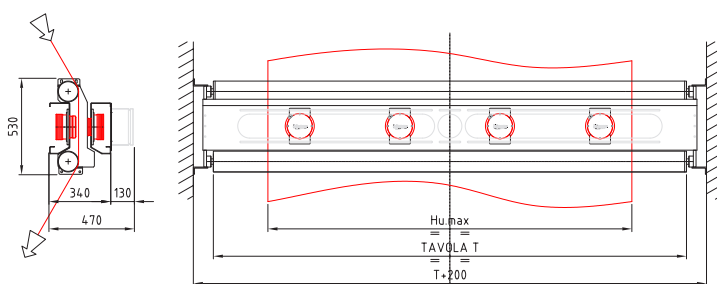
Bianco® Optical Weftstraightener FDC



Bianco® Optical Weftstraightener MDC



Bianco® Miniweftstraightener



Bianco® Reading Bridge