

OPTIDRY for Relax Dryer's on open width knit goods for a smart and uniform drying over the full batch length

The smart CINTEX control system, in connection with the advanced PLEVA sensors, is optimizing the process requirements on relax dryers for an uniform and even drying process over the full batch length - from the beginning to the end.



The CINTEX controller with the new OPTIDRY function detects and monitors the actual situation inside the dryer compartments in connection with the PLEVA fabric sensors and the exhaust humidity measurement. The profile of the fabric temperature is measured inside of the dryer compartment and the drying process is controlled by varying the speed of the conveyor belt.

Our controller and the new feature OPTIDRY with "Auto-Setting" function finds the required set points for an optimised drying process. No parameter setting or intervention by the user is required. That means simple to understand and simple to use by operators.

The smart software concept has been proved most successful on many relax dryers in the practical field.

The system is self-adjusting with the result of an uniform drying level on fabric - from beginning to the end of the batch.

OPTIDRY

with

„Auto-Setting“

function



COMPACT controller type CP35 OPTIDRY with monochrome graphic display with key pad and integrated PLC function.



CIMATIC controller type PP70 OPTIDRY with Touch screen and colour graphic display 6.5" TFT. Trend graph, data storage and modular PLC unit, removable flash memory card.

- **OPTIDRY Controller with "Auto-Setting" function**
no intervention by the operator is required
- **Fabric temperature measurement TDS 95**
to provide accurate and even control of drying process
- **Exhaust humidity measurement FS 91**
to control exhaust air amount and save energy

We guarantee an even drying result from start to end

**Best Investment in
Energy Saving
and
Optimised Drying**

Machine layout with installed sensors in relax dryers

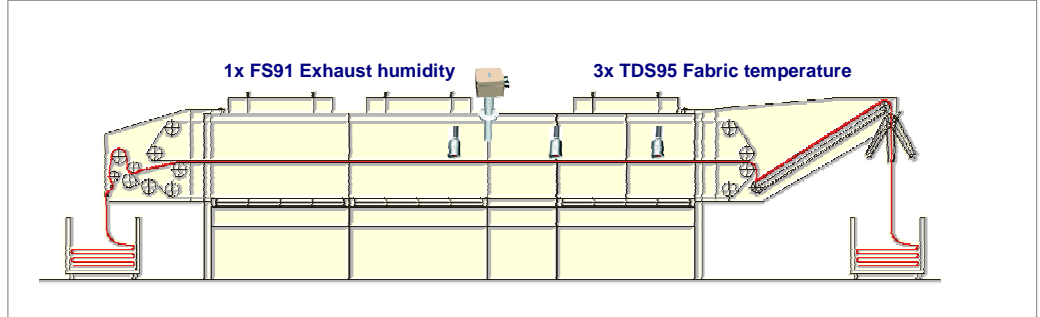


Fig.1: Relax dryer 1-pass, with three fabric temperature sensors above of the conveyor belt and exhaust humidity sensor.

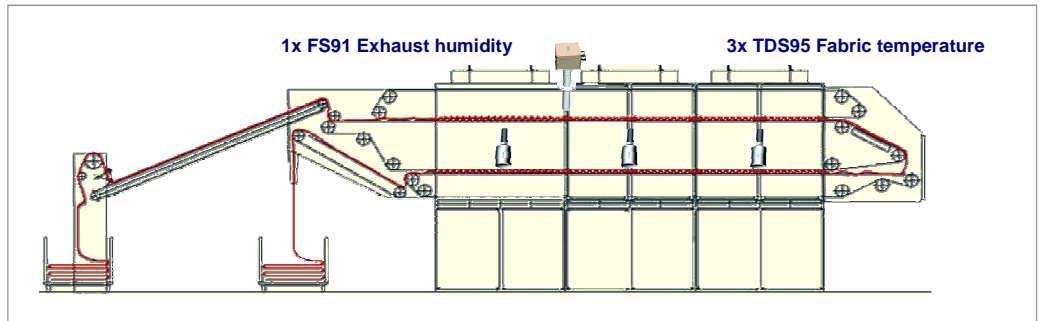


Fig.2: Relax dryer 2-pass, with three fabric temperature sensors above of the conveyor belt and exhaust humidity sensor.



Fabric temperature measurement TDS95

For non contact measurement of material temperatures inside of the dryer.

3 sensors are fixed inside the dryer above of the conveyor belt, to detect the temperature patterns of fabric heated at the process.

Exhaust humidity measurement FS91

Maintenance free sensor to measure and control the exhaust air of drying process for economic energy consumption.

Loading the exhaust air most efficiently with humidity will greatly reduce the hot air volume and save energy dramatically.



Fabric temperature sensor TDS95 installed in the dryer above the conveyor belt.



Exhaust humidity sensor FS91-S installed at the side of the relax dryer.

Don't hesitate to contact today our sales manager for more information and a quotation. Simply send an Email to: info@cintex.ch

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