

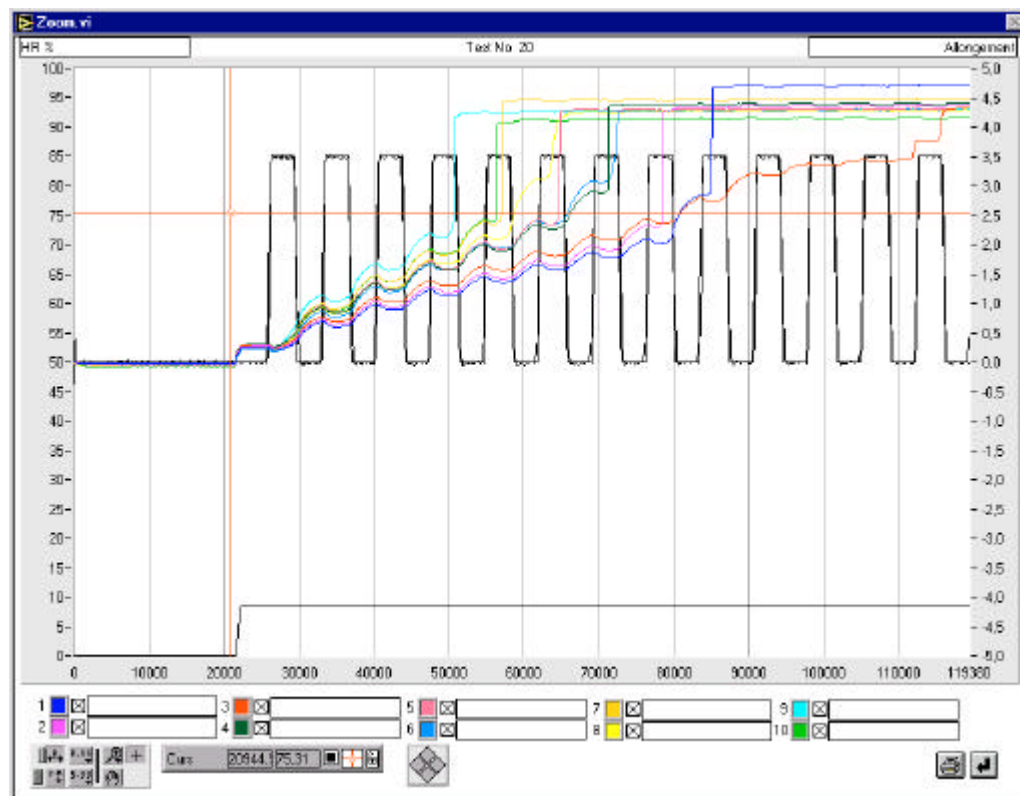
# VARIPRESS

## CREEPING CHARACTERISTICS OF PAPER

**VARIPRESS** is a laboratory equipment designed for measuring the creeping resistance of papers :

- At any humidity conditions from 15 to 90 % RH
- Under cycles
- In an autonomous and automatic way
- On 10 samples

**VARIPRESS** is an extension of the VARIDIM system. The air generator is the same and the PC can manage both applications simultaneously.



## PRINCIPLE

The **VARIPRESS** system is inclusive of

- 1 humid air generator,
- 1 measuring chamber,
- 1 PC.

Each sample is rolled on a cylinder, inside a specific tube and fixed on an air piston that is compressing this paper cylinder with a given and adjustable force. The air piston shaft is connected to a position sensor.

This compressing force can be adjusted until about 1000 N (constant or variable). The ambient humidity can be set from 15 to 90 % RH (cycles). The creeping tendency curves show easily when the paper is yielding.

## USE

**VARIPRESS** is easy to be set up : you just have to install the 10 paper samples, enter the working parameters of the next test.

Direct export of the results to EXCEL.

## TIME SAVING – AUTONOMY

Some minutes are enough to prepare a test that will be running alone several days, or several weeks.

## SIMULATION of the REAL CONSTRAINTS

**VARIPRESS** simulates conditions of the real constraints of stacked boxes, under different humidities.



## CHARACTERISTICS

Number of samples	10
Humidity	15 to 90 % RH
Temperature	constant = 20 to 30 °C
Creeping force	100 to 1000 N about
Number of set up points (RH)	24 maximum
Duration of each set up point	100 hours maximum
PC Pentium under WINDOWS NT 4	

*VARIPRESS is an EFG licence.*