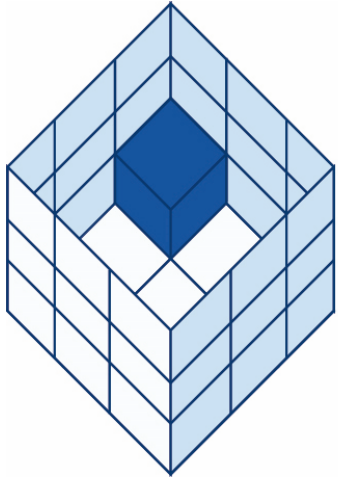


S.T.A. BRANCA IDEALAIR



S.T.A. BRANCA IDEALAIR



PRECISION Air Conditioning FOR TEXTILE LABORATORIES (ASTM D1776)



TEXTILE TESTING INSTRUMENTS



COTTON MOISTURE



**FIBER REGAIN (MR%)
AND
MOISTURE CONTENT (MC%)**

- **INSTRUMENT:**
REGAIN TESTER 70S
- **MANUFACTURER:**
**S.T.A. BRANCA
IDEALAIR S.A.S.,
ITALY**
- **FUNCTION:**
**determination of fiber
moisture content
(MC%), the moisture
regain (MR%) and
mass correction (%)**



APPLICATION FIELDS

- ginneries
- cotton spinning mills,
- research centers
- testing laboratories
- other textile factories;



HYSTORY BACKGROUND

The first Regain tester was manufactured in **Italy** by company

BRANCA IDEALAIR s.a.s

Milano, Via Brunetti, 14

and dates back to **1925** and represents until today a the symbol of our society



BRANCA IDEALAIR s.a.s.



Year 1925

WIDESPREAD GROWTH

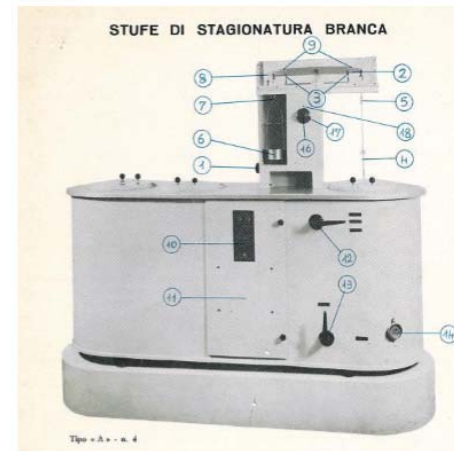
- The high demand for **Regain testers** leads Branca Idealair to a huge production between years **1945 - 1965** and supplied to **TEXTILE INDUSTRIES** all over the world

GROWTH



1945

1965



Tipo « A » - n. 4



Tipo « C » - n. 7

Year from 1945 to 1965

REGAIN TESTER TODAY

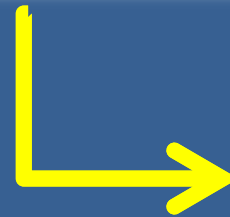
1. NEW DESIGN

2. NO BUOYANCY EFFECTS!

3. HIGH DEGREE OF AUTOMATION AND SOFTWARE FOR USER MANAGEMENT

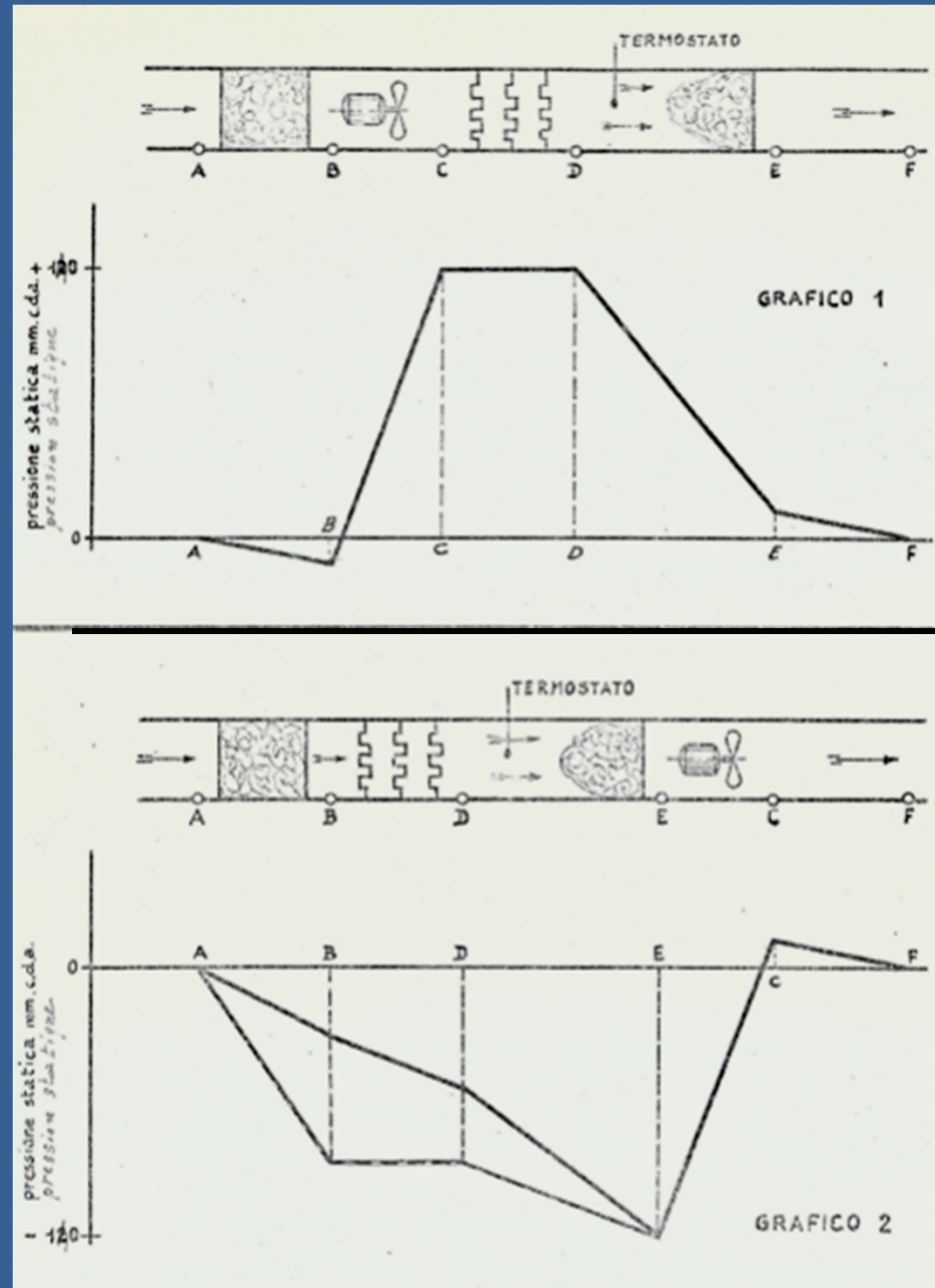


YEAR 1990



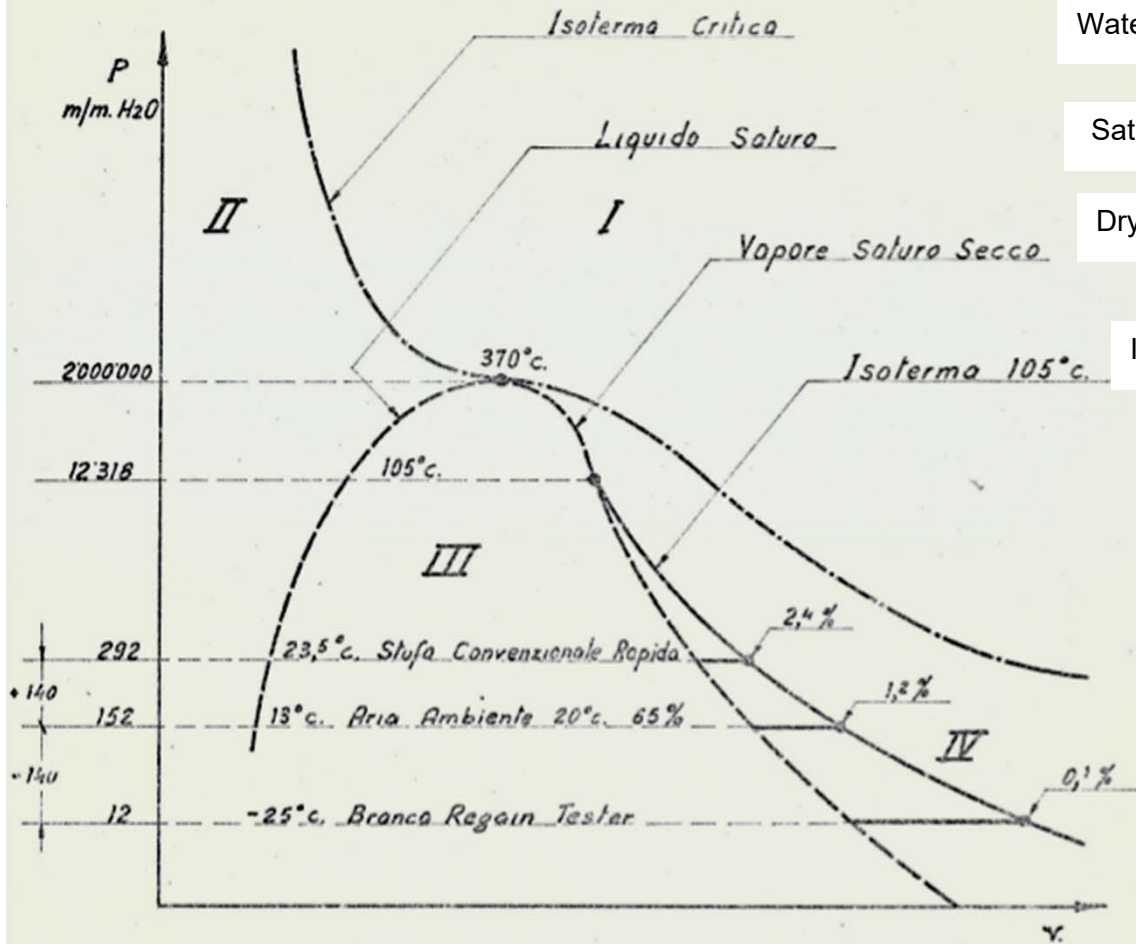
METHOD

- Uniform hot air by suction
- The great advantage is given by the expansion of water vapour diffusion from the hearth of the fiber without damaging it as shown in comparative tests



STANDARD
MOISTURE
TESTERS

BRANCA
REGAIN
TESTER



Water Critical isotherm

Saturated liquid

Dry saturated vapor

Isotherm at 105°C

AREA

- I Stato Gassoso aeriforme Gas
- II Stato Liquido Liquid
- III Vapore Saturo umido Wet saturated vapour
- IV Vapore Surriscaldato Overheated vapour

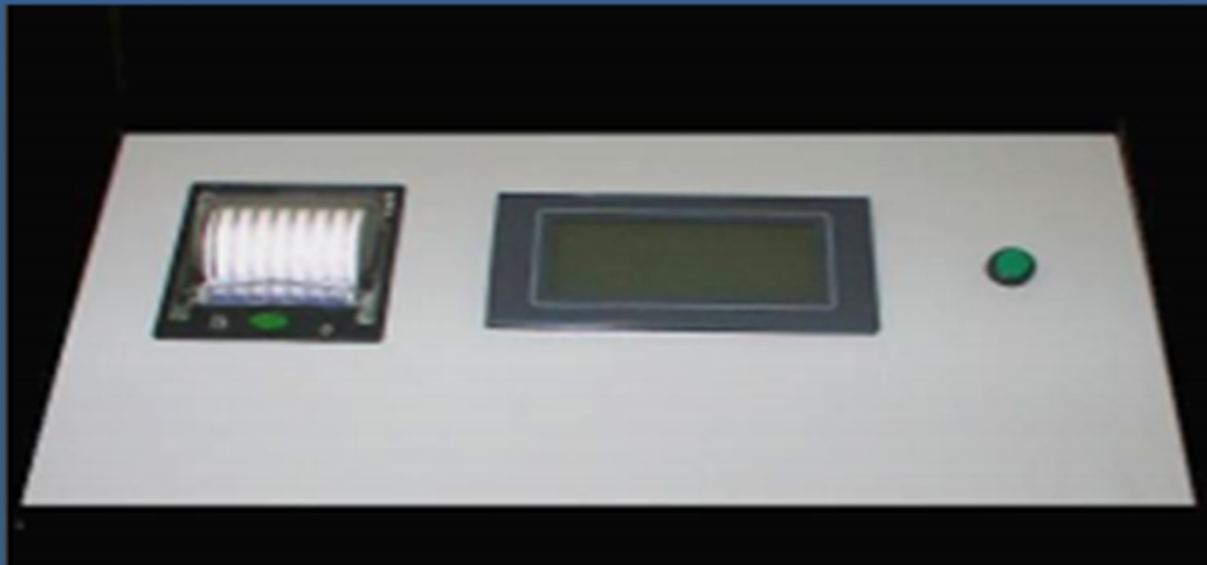
R.H.%
 formula

$$= \frac{P_v}{P_{vs}} \times 100 (\%)$$

AUTOMATIC PROCESS

THE SYSTEM RECORDS THE
DRY MASSES
AUTOMATICALLY
AFTER THE DRYING
STEP CYCLES

USER INTERFACE WITH TOUCH SCREEN AND ASCII PRINTER



PC-SOFTWARE

REGAIN TESTER 70S



S.T.A. BRANCA IDEALAIR

SAMPLE AND BIN DATA

Wet mass

0.00 g

TEST DATA

Heating n.

1/50

TEST RESULT

Dry mass

0.00 g

Total time

0 min

Official regain

0.00 %

Moisture regain

0.00 %

Moisture content

0.00 %

Correction

0.00 %

WEIGHT MEASUREMENTS:

1:	0.00 g	21:	0.00 g	41:	0.00 g
2:	0.00 g	22:	0.00 g	42:	0.00 g
3:	0.00 g	23:	0.00 g	43:	0.00 g
4:	0.00 g	24:	0.00 g	44:	0.00 g
5:	0.00 g	25:	0.00 g	45:	0.00 g
6:	0.00 g	26:	0.00 g	46:	0.00 g
7:	0.00 g	27:	0.00 g	47:	0.00 g
8:	0.00 g	28:	0.00 g	48:	0.00 g
9:	0.00 g	29:	0.00 g	49:	0.00 g
10:	0.00 g	30:	0.00 g	50:	0.00 g
11:	0.00 g	31:	0.00 g		
12:	0.00 g	32:	0.00 g		
13:	0.00 g	33:	0.00 g		
14:	0.00 g	34:	0.00 g		
15:	0.00 g	35:	0.00 g		
16:	0.00 g	36:	0.00 g		
17:	0.00 g	37:	0.00 g		
18:	0.00 g	38:	0.00 g		
19:	0.00 g	39:	0.00 g		
20:	0.00 g	40:	0.00 g		

Open save folder

Export file (.CSV)





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