

THE MUST TO SEE - OPTIMIZE - REPRODUCE



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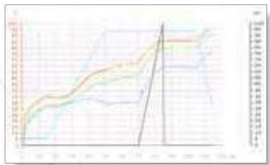
Capacity from 50g to 300g
Visualize & Monitor :

- the exhaustion of dyeing pools
- pH and Température
- solid & liquid additions

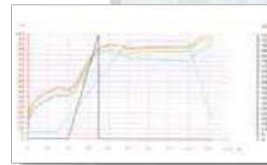
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- **Final EXHAUSTION RATES**
 - Une meilleure reproductibilité entre les passes
 - The right use of color and P.A.T.
 - Efficiency of rinsing and soaping
 - Pollution reduction.
- **The CRITICAL PHASES OF DYEING**
 - Diminish the dyeing time
« Use time where it is necessary »
 - Increase the homogeneity of the trichromy
« Localization of the critical phases of dyeing »



BEFORE



AFTER

A low cost and reliable process



**OPTILAB: A MUST FOR A QUALITY PRODUCTION
"LOW COST" BECAUSE RIGHT THE FIRST TIME**

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CALLEBAUT DE BLICQUY

Callebaut de Blicquy is the wellknown specialist of dyeing machines. Its experience has been acquired over many years through SMTI - Texinox - Schlumpf & Wilms - Comeureg. Today, this experience enables Callebaut de Blicquy to give you well qualified advices and to offer you a range of machines and auxiliaries equipment at the sharp end of dyeing technology.

On these foundations, Callebaut de Blicquy also provides the best advice for selecting and improving equipment, engineering and revamping. These give the dyer and finisher a guarantee of high quality and reliable productivity taking into account the imperatives of delivery and ecological factors.

- More than 75 years of experience.
- World leader in large capacity hank dyeing machines for carpet yarns
- A wide range of state-of-the-arts machines and equipments
- Customer service
- After-sales department (maintenance)
- Quality and productivity guarantee



QUALITY - FLEXIBILITY - PROFITABILITY - ECOLOGY

GENERALITIES :

the Optilab is an equipment of laboratory of dyeing allowing the visualization of the behaviour of dyestuffs (exhaustion) in function of physical and chemical conditions of the dyeing

THE VISUALIZATION OF THE EXHAUSTION CURVES ALLOW TO ANALYSE:

- ⊖ The speed and the capacity of dyestuffs exhaustion.
- ⊖ The homogeneity of the trichromy
- ⊖ The influence of auxiliary products, such as levelling agents, on the speed of exhaustion
- ⊖ The time of migration / fixation
- ⊖ The efficiency of rinsing / soaping

4 DIFFERENT SOLUTIONS ACCORDING TO YOUR NEEDS

- ⊖ Optilab "Full"
- ⊖ Optilab with solid addition
- ⊖ Optilab with liquid addition
- ⊖ Optilab "Light" (Without solid and liquid addition)

TECHNICAL INFORMATION

- ⊖ Visualization of exhaustion directly on the screen
- ⊖ Reading of the pH and the temperature continuous
- ⊖ Capacity from 50g to 300g
- ⊖ Variation of the liquor ratio
- ⊖ The pump of circulation, with variable speed, permit high curves of flow/pressure, so very important "contacts" between the bath of dyeing and the fibers
- ⊖ Possibility to dye very dense materials and cores of bobbin
- ⊖ Flow variation by the standard
- ⊖ Possibility to make solid and / or liquid addition



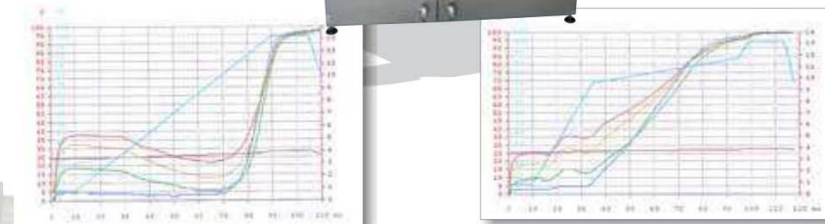
A save and ecological process

SAVE WITH OUR OPTILAB SYSTEM



Cotton dyeing BEFORE optimization with direct dyestuffs

Cotton dyeing AFTER optimization with direct dyestuffs



Acrylic dyeing BEFORE optimization

Acrylic dyeing AFTER optimization

ADVANTAGES

- ⊖ Increase of the productivity
- ⊖ Optimization of the dyeing time
- ⊖ Optimization of the auxiliaries dyeing product quantity
- ⊖ Reduce energy and water consumptions
- ⊖ Reduce of pollution
- ⊖ Reduce of regain and remake rates

