

THE DEVELOPMENT OF SPECIFIC MACHINERY FOR THE CULTIVATION AND CURING OF TOBACCO



**38th UNITAB EUROPE
CONGRESS**

*European tobacco outlook
regulatory challenges and market opportunities*

Naples | September 23-24, 2025

Who we are

De Cloet stands as a leading pioneer in tobacco mechanization machinery production, with over 55 years of dedicated service to the agricultural industry. Our unwavering commitment centers on improving tobacco production processes while enabling sustainable cultivation practices and enhancing quality of life for producers worldwide.



COMPANY MILESTONES

YEAR 1966 FOUNDATION

De Cloet was founded in Canada, marking the beginning of our journey in agricultural mechanization.

1970 1ST HARVESTER

Revolutionary first tobacco harvester introduced, setting new industry standards for efficiency and quality

1997 – DE CLOET OPEN IN ITALY

De Cloet established operations in Italy, Expanding our reach across international markets.

Year 2001- DE CLOET CANADA CLOSE

Canadian operations closed and Italian headquarters became the center of innovation and production excellence



Some data ...

Permanent Employees



The company employs 32 permanent employees
Dedicated full-time professionals driving
innovation and quality

External Collaborators



The company has 15 external Safety,
research, development, and design
collaborators

Dealers



Experienced partners with more than
5+ years globally serving tobacco
equipment markets and farmer

50 + years of experience in tobacco mechanization with strong external vocation

MAIN MARKET

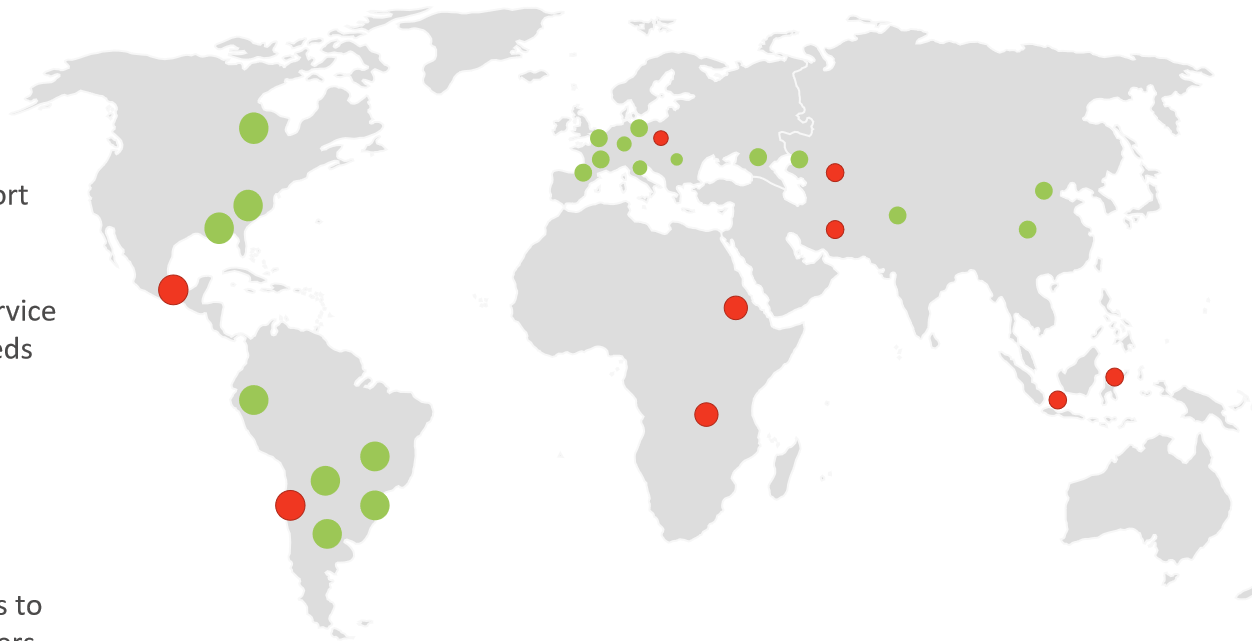
● DEALER

Our extensive global dealer network spans multiple continents, providing localized support and expertise to tobacco farmers worldwide.

These partnerships ensure comprehensive service coverage and rapid response to customer needs across diverse agricultural markets.

● DIRECT MARKET

Strategic direct market relationships allow us to maintain close connections with key customers, ensuring optimal equipment performance and immediate technical support when needed most during critical farming seasons.



PORTFOLIO



OUR PRODUCT



SOIL PREPARATION



TRANSPLANTER



SPRAYER / TOPPER



OUR PRODUCT PORTFOLIO

TOBACCO MECHANIZATION PRODUCT



HARVESTERS



CURING BARNS



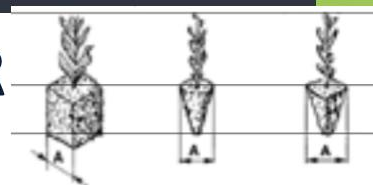
LOADING UNLOADING



PLANTER

DE CLOET CUP TRANSPLANTER

EASY TO USE AND GREAT PERFORMANCE



2 rows planter



DE CLOET TRANSPLANTER is a perfect mix between price, performance and simplicity to use

with independent driving wheel for each transplantation unit perform in the best way in each soil condition .

The 10-cup distributor and 12 on request, places the De Cloet planter in top for performance but also at an extremely attractive price.

Available from 1 to 8 rows , the planter can be setted in each row width requested

Accessories : row tracers , water applicator , microgranulator , fertilizer system

4 rows planter



8 rows planter



COMPACT SPRAYER TOPPER



STANDARD SPRAYER



HIGH BOY SPRAYER



- **Closed cab w carbon filter** - Enhanced operator protection
- **3-wheel driving system** - Superior field maneuverability
- **Stainless steel tank construction** - Corrosion resistance and longevity
- **ARAG computer control** - Precision application management
- **TeeJet nozzle systems** - Industry-leading spray quality
- **Integrated mixer with washer** - Efficient tank cleaning capability
- **Custom boom configurations** - Adaptable to field requirements
- **Multiple tank sizes available** - Scalable capacity options

HARVESTER

2-THI MODEL



MOST SOLD HARVESTER IN THE WORLD

Versatile two-row machine designed for medium to large farming operations, capable of harvesting bottom, medium and top leaves with exceptional efficiency.

More than 1000 sold worldwide

2THN MODEL



1ST MULTIPASS HARVESTER WITH SINGLE BELTS

In 2018 we reinvent the multi-pass harvester introducing on the market the innovative single belts mechanism engineered for maximum throughput, perfect for large-scale operations requiring superior daily harvest volumes.

1st

2TTH MODEL



NEVER STOP HARVESTING

Specialized two-row harvester exclusively designed for top leaf collection, optimizing quality and efficiency for premium tobacco grades

CURING BARN

- Structure composed with sandwich panel 5 CM high density for avoid waste of heat
- Performance heat exchanger , for maximize the fuel efficiency up to 98%
- Centrifugal / axial FAN , flow fi 27.000 to 32.000 m3
- Variable frequency drive for fan motor
- Automatic curing management computer with possibility of remote control
- Program management for track all the data of tobacco from the trasplanting to the storage
- All the material are food grade for NRTM



ALL OUR BARNS MODEL ARE TESTED AND PROVED WITH :

**NC STATE
UNIVERSITY**

 **VirginiaTech**
Invent the Future



www.decloet.it
e-mail: info@decloet.it

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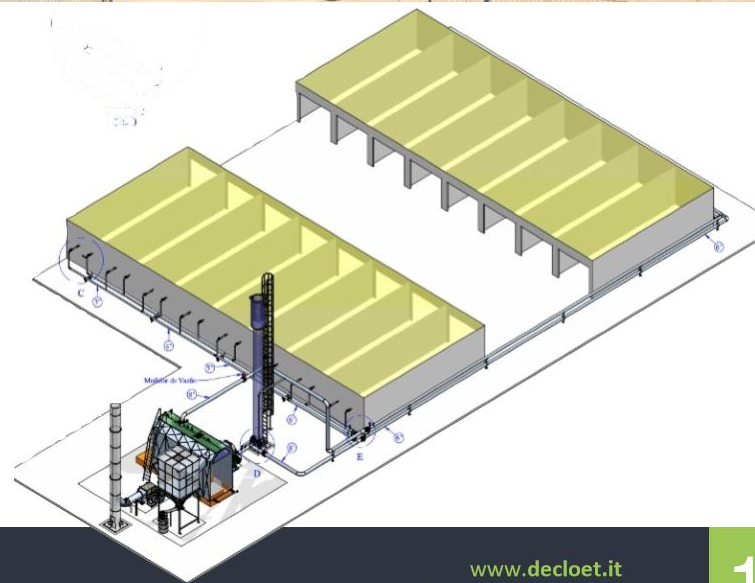
BIOMASS SOLUTION

MOST CONVENIENT FUEL

STABLE CURING SYSTEM,

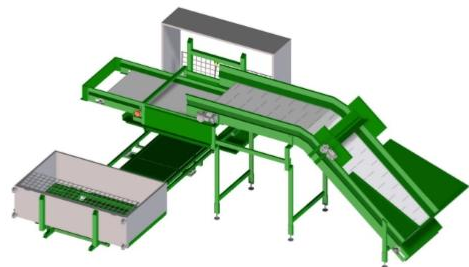
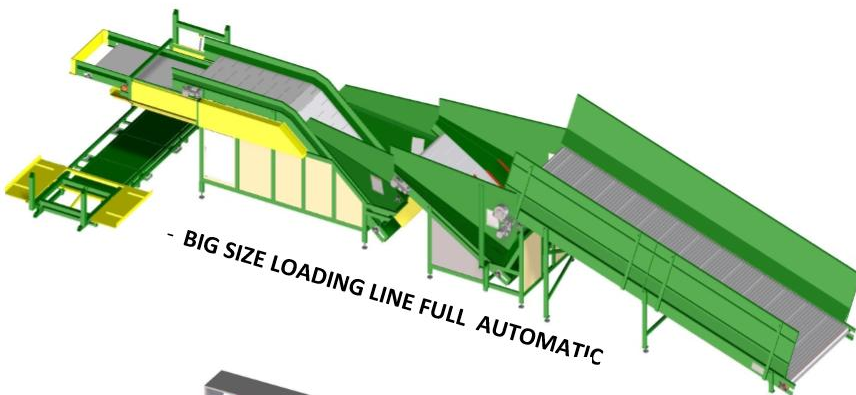
100% SUSTENIBLE

R.O.I 4 TO 6 YEARS



LOADING LINE

Our comprehensive loading line solutions streamline tobacco handling operations with precision-engineered automation that maintains leaf quality while maximizing operational efficiency.

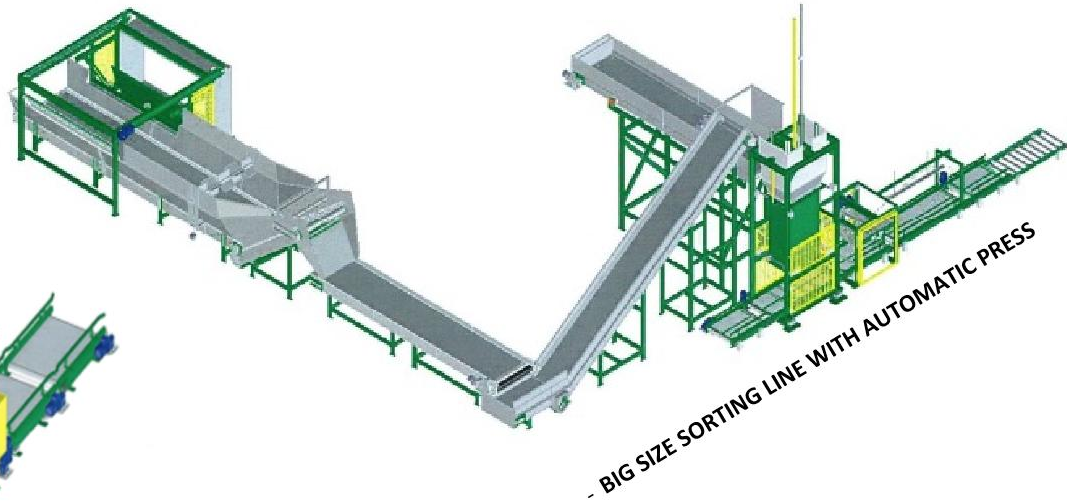
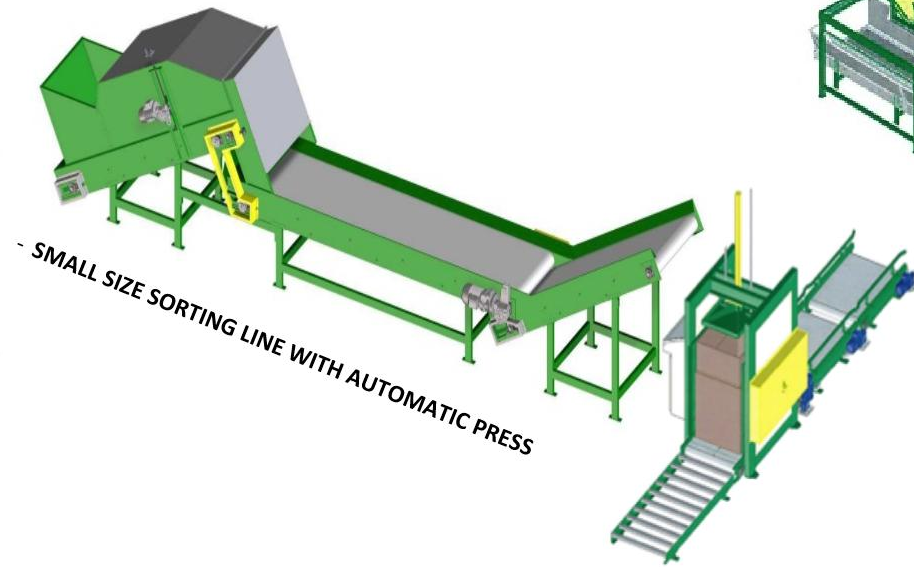


- **Customizable configurations** meeting specific operational needs
- **Advanced leveling system** for consistent tobacco distribution
- **Variable speed controls** optimizing throughput
- **Automatic box tilting** mechanism for efficient loading
- **Decompaction technology** preserving leaf integrity
- **Full automatic or semi-automatic** operation modes

Scalable Solutions

From compact systems for smaller operations to large-scale industrial lines, De Cloet offers customizable loading solutions tailored to your specific requirements and throughput demands.

SORTING-PRESSING



**VARIOUS RANGE OF SORTING – PRESSING
LINE AND CAN BE CUSTOMIZED
BASED ON CLIENT REQUEST**

MAIN FEATURES :

- AUTOMATIC OR SEMI AUTOMATIC MODE
- FROM 2 TO 10 SORTING STATION FOR PERSON
- AUTOMATIC BOX TILTER
- AUTOMATIC PRESS FOR TOBACCO BOX
- AUTOMATIC LOCKING OF THE C48 BOX ON REQUEST
- LINE CUSTOMIZABLE BASED ON CLIENT NEEDNESS

NEW PRODUCT AND IMPROVED FEATURES



TOPPING

INTRODUCED TO THE MARKET: 2018

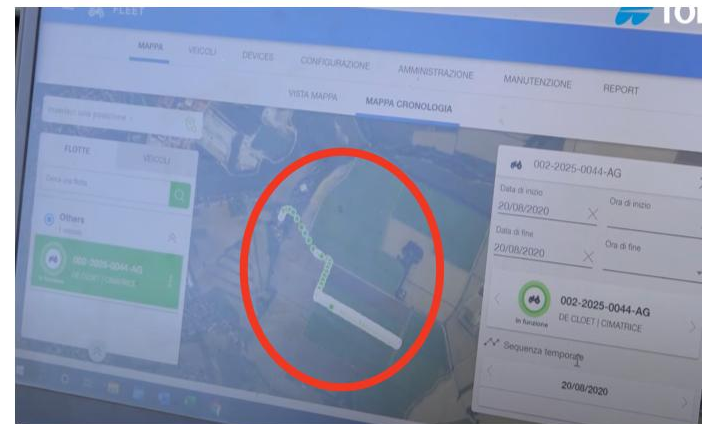
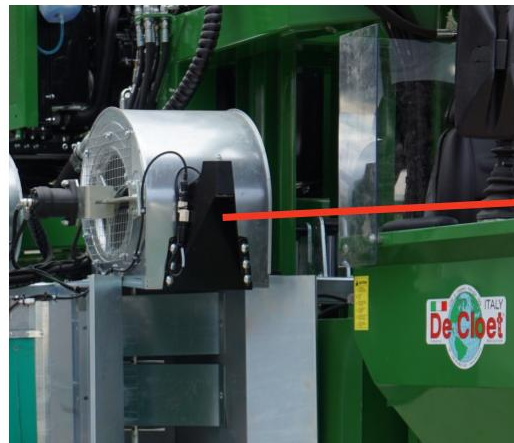
MAIN BENEFITS:

- ✓ DEDICATED MACHINE ONLY FOR TOP TOBACCO
- ✓ 30 % MORE EFFICIENT RESPECT OLD APPLICATION
- ✓ 50 % MORE PRECISE THANKS OF SONAR LASER
- ✓ MONITORING OF ALL MACHINE WORKING CYCLE BY COMPUTER
- ✓ 3 POINT HITCH TO INSTALL EVERY KIND OF TOOLS



TOPPING

DEDICATED TOPPING MACHINE
WITH SONAR RADAR
FOR DETECT THE FLOWER
OF TOBACCO



NEW SPRAYING – TOPPING MACHINE COMPACT MODEL WITH ADJUSTABLE FLOW REGULATED BY GPS



SPRAYING

INTRODUCED TO THE MARKET: 2018

MAIN BENEFITS:

- ✓ VERY COMPACT MACHINE FOR TOP AND SPRAY (4 MT LONG)
- ✓ POSSIBILITY TO APPLY ENSOR FOR TOPPING
- ✓ PROPORTIONAL CHEMICAL DOSAGE BASED ON SPEED
- ✓ 20 % LESS CHEMICAL THANKS TO VARIABLE DOSAGE
- ✓ MONITORING OF ALL MACHINE CYCLE BY PC



SPRAYING

SMART APPLICATION TECHNOLOGY

Our advanced GPS system revolutionizes chemical application through intelligent speed detection and automatic dosage adjustment, ensuring optimal coverage while maximizing efficiency.



System Capabilities

- **Real-time speed detection** - Continuous monitoring of machine velocity
- **Automatic dosage calculation** - Precise application rate adjustment
- **Farmer-programmable settings** - Customizable application parameters
- **Field mapping integration** - Complete coverage documentation
- **Variable rate technology** - Optimized chemical utilization



HARVESTER

A New Era in Tobacco Harvesting : The First Multi-pass Machine with Single Vertical Elevator Belts»

"A breakthrough innovation that simplifies harvesting,
reduces costs, and boosts farmers' productivity."



HARVESTER

INTRODUCED TO THE MARKET: 2018

MACHINES MANUFACTURED: 200+

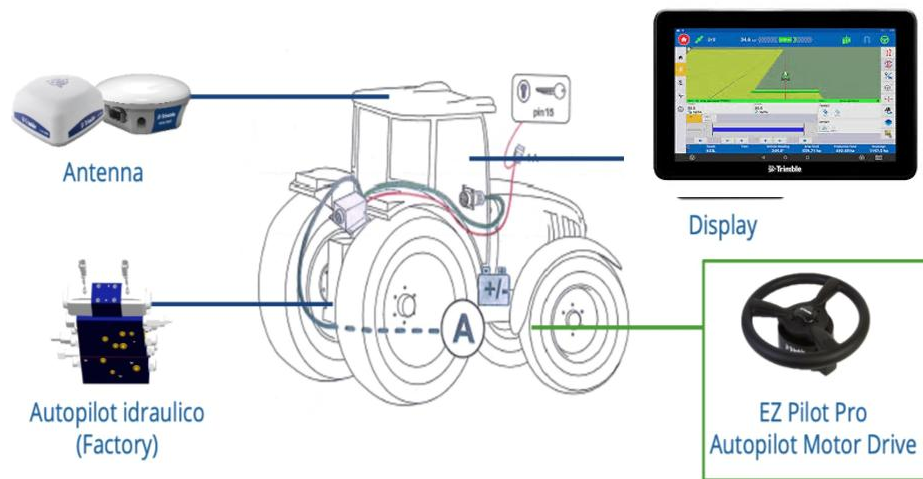
MAIN BENEFITS:

- ✓ INCREASED COLLECTION PERFORMANCE
- ✓ 30% MORE FASTER THAN THE OTHER MACHINE
- ✓ DECREASE IN THE BREAKING OF THE LEAVES
- ✓ SUBSTANTIVE DECREASE OF COMPRESSION STAINS ON LEAVES
- ✓ REDUCED MAINTENANCE
- ✓ INCREASED HARVESTING CAPACITY PER SEASON



HARVESTER

APPLICATION OF AUTOPILOT SYSTEM WITH GPS AND DATA MONITORING IN REAL TIME



- ✓ DATA AND FIELD TRACKING
- ✓ HARVESTING HEAT MAP
- ✓ FIELD RECORD KEEPING
- ✓ PRODUCTIVITY DETECTION BASED ON FIELD
- ✓ ON DEMAND STATUS DATA

CURING BARN

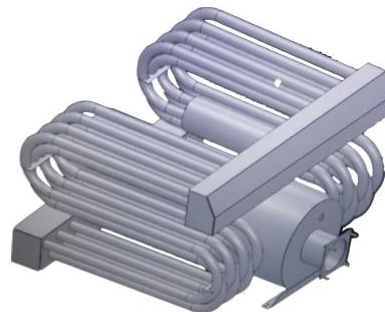
CURING BARNS , MAXIMIZED THE EFFICIENCY , FOR REDUCE CURING COST AND BE MORE USER FRIENDLY AND CONNECTED .





NEW CURING COMPUTER

For a better control of temperature and dumper , and for a more healthy life of the operator .



RE-DESIGNED EXCHANGER

For a better thermal efficiency
UP TO 98 %



HIGH EFFICIENCY MOTOR

For save as much energy as possible On the curing cycle



PROBE OTTIMIZATION

For reduce at the minimum the error and for a much stable temperature and humidity control

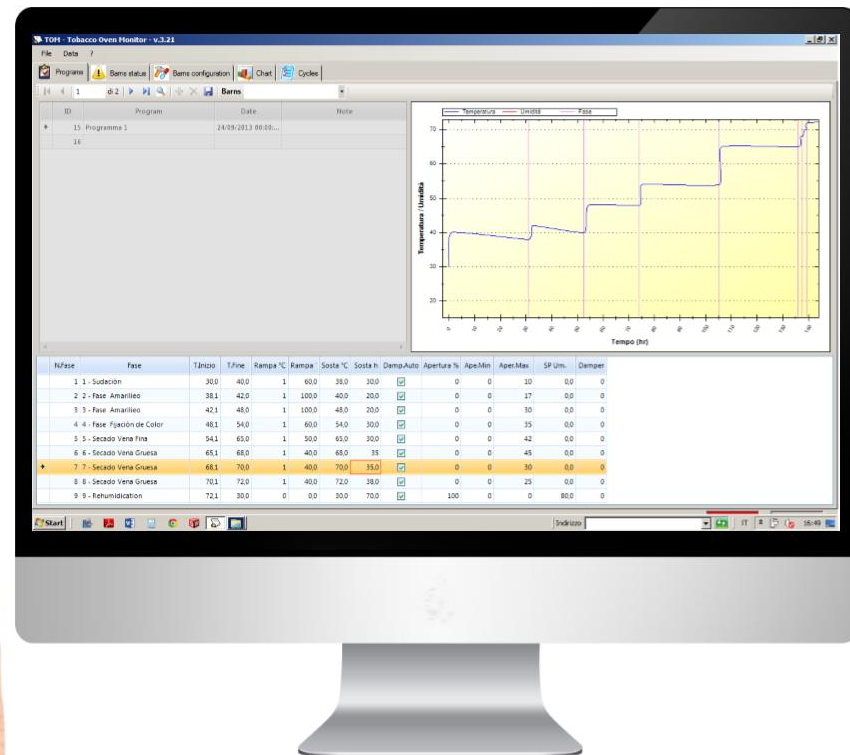
CONNECTIVITY

SUPERVISION AND **CONTROL** OF THE
BARNs

REAL TIME GRAPH AND ALLARM

DATA ACQUISITION AND SHARING

TRACIABILITY OF THE PRODUCT FOR A
COMPLETE HISTORY OF TOBACCO



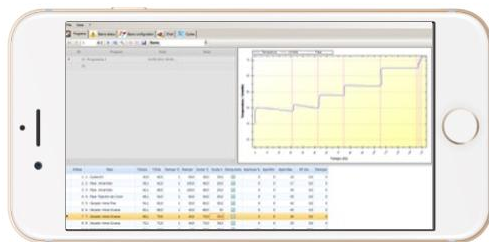
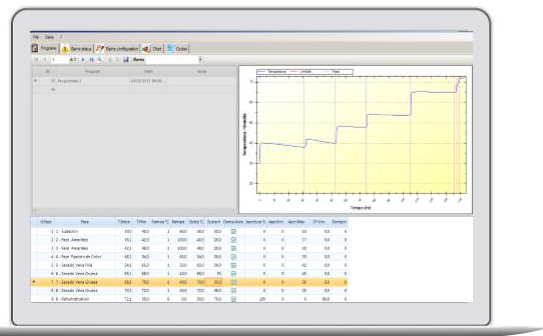
CURING

SOFTWARE OPTIMIZATION OF TREATMENT AND INTRODUCTION OF AUTOMATIC REMOISTERING

- INTRODUCTION TO THE MARKET: SEASON 2017-18

MAIN BENEFITS:

- NO NEED FOR A DEDICATED COMPUTER
- ACCESSIBILITY VIA WEB PAGE, WITHOUT MORE SOFTWARE
- COMPLETE AUTOMATION OF THE CARE CYCLE



OUR COMMITMENT

CO₂ EMISSION REDUCTION WITH NEW GENERATION MOTOR
AND ELECTRIFICATION OF THE HARVESTER



REDUCTION OF CHILD WORK TROUGH
LOW COST MACHINERY FOR EMERGENT MARKET



STUDY AND EVALUATION OF NEW TECHNOLOGIES
FOR USING RENEWABLE POWER SOURCE ON TOBACCO CROP



PRECISION FARMING FOR REDUCTION
OF USE OF CHEMICAL AND PREVENT SOIL EROSION



THANKS FOR
YOUR ATTENTION

