

COMBINED PRUNING & DISBUDDING MACHINE HECO-COMBI-8 SMART

The Disbudding Machine HECO-COMBI-8 by Zetaecotech is an automatic combined nursery equipment for the **rootstock cleaning and preparation** before the cutting/cutting-into-equal-pieces phase.

In one step, at the same time, the machine accurately **cuts the secondary shoots and abrades the buds** through a system of **4 groups** of rotating abrasive blades. This **nursery machine** can be used as a 2 in 1 equipment: you can either "clean" the material from scratch (both the buds and the lateral shoots, "femminelle") or just do the disbudding, in case of previously cleaned rootstocks.

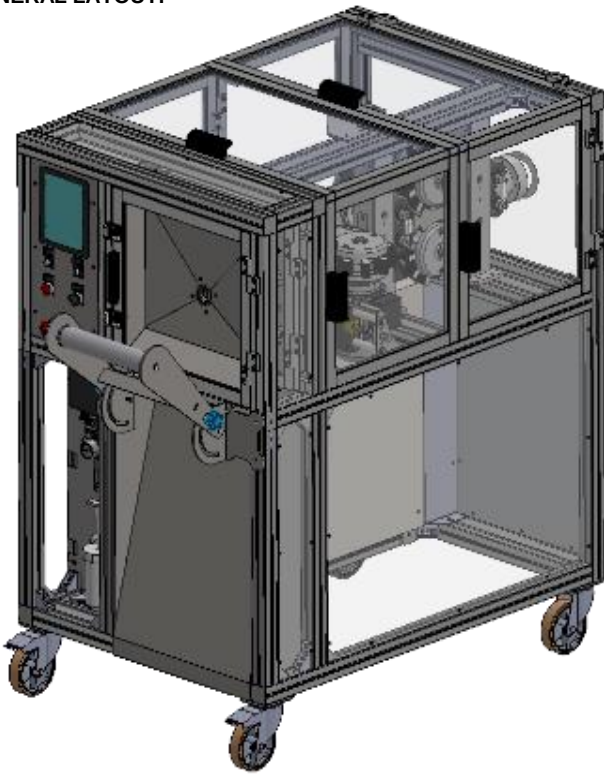
Moreover, it has a **final calibre control system with a thin waste cutting device**.

The **SMART** version has an **outgoing transport system** for the **conveyance and discharge of the processed rootstock**, which can be controlled directly from the machine through its **Programmable Logic Controller**.

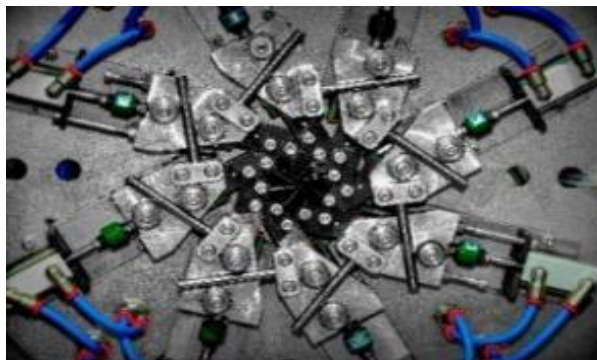
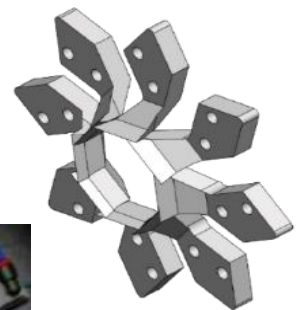
The **SMART** version includes a number of new features related to **data control, management and interconnection** with the corporate computer systems (the latter are borne by the end user), as well as a **Remote Assistance and Control System**.

Thanks to the materials and technologies used and to the low energy consumption, the Zetaecotech Disbudding Machine is robust, reliable and requires low maintenance.

GENERAL LAYOUT:



DETAIL: SPECIAL 8-CUTTERS HEAD



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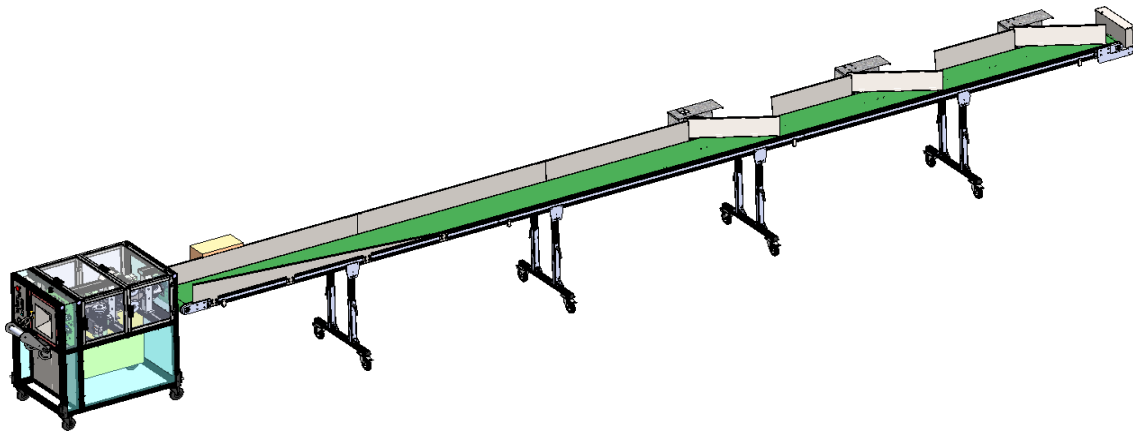
Via Kechler, 12 - 33095 - San Giorgio della Richinvelda - (PN)

Partita IVA e Cod. Fisc. 01125950939

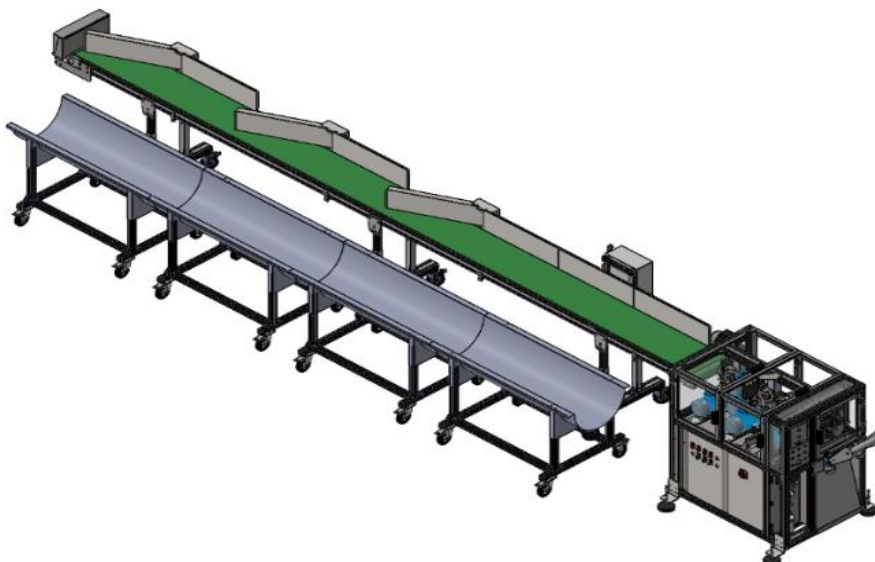
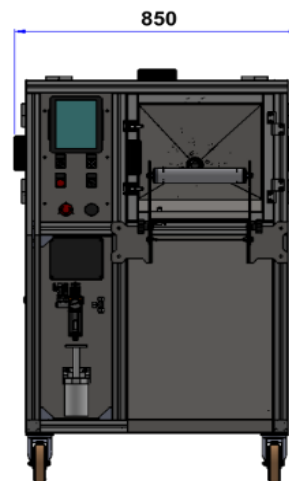
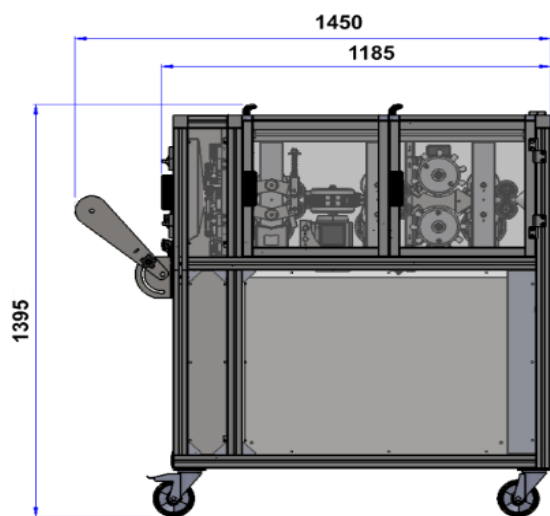
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COMBINED PRUNING & DISBUDDING MACHINE HECO-COMBI-8 SMART

GENERAL LAYOUT: HECO-COMBI 8 WITH AUTOMATIC
ROOTSTOCKS CONVEYOR BELT



DIMENSIONS: HECO-COMBI-8



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COMBINED PRUNING & DISBUDDING MACHINE HECO-COMBI-8 SMART

USER FRIENDLY HUMAN-MACHINE INTERFACE

zetaecotech
INNOVATIVE NURSERY TECHNOLOGIES
by Electrozeta 24/02/23 FRI 09:58

ETAT CHICOTEUSE-EMBOURGEONNEUSE

AUTO ON MANUAL OFF

CUTTERS ON TRANSPORT ON

SCRAPS CUT ON BRUSHES ON

SCRAPS CALIBRE SETTING
6.00 mm

DRIVES STATUS

TRANSPORT
FORWARD RUNNING

BRUSHES
FORWARD RUNNING

USER MENU

DATA LOGGER - ALARMS AND ERROR DETECTION

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STORICO ALLARMI

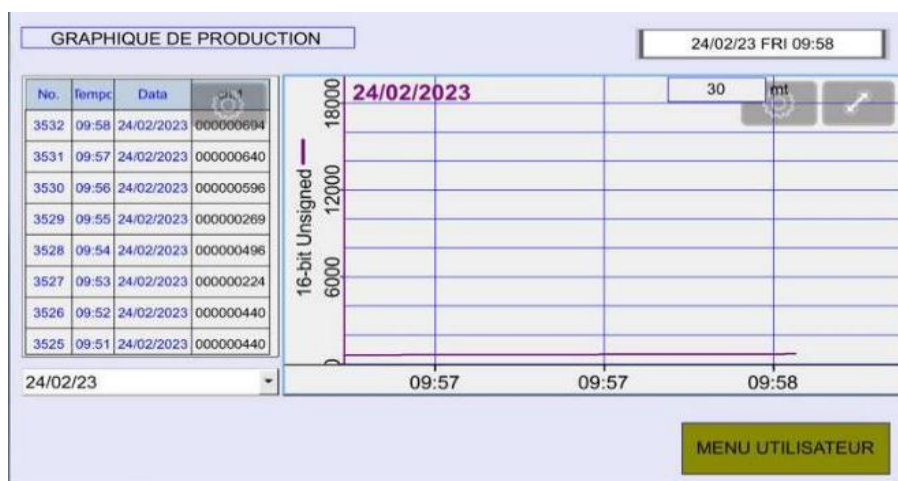
Ora Trigger	Messaggio	data Trigger
06:24:08	ERREUR ONDULEUR BROSSES	24/02/2023
06:24:08	ERREUR ONDULEUR TRANSPON	24/02/2023
06:24:09	ERREUR GENERAL ONDULEUR	24/02/2023
08:34:48	ACTIONNEMENT DISPOSITIFS C	24/02/2023
08:34:50	ERREUR GENERAL ONDULEUR	24/02/2023

SYNOPSIS

MENU UTILISATEUR

HOME

PRODUCTION DATA COLLECTION



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Latest Update: 07/08/2023

VERSIONS:	HECO-COMBI-8 C8T3R8L4_K_4.0
MAIN TECHNICAL FEATURES:	8 CUTTERS 8 TRANSPORT ROLLERS 2 PAIRS OF ROTATING BLADES 1 CALIBRE CONTROL 1 THIN WASTE CUTTING SYSTEM USER-FRIENDLY HMI PRODUCTION DATA COLLECTING ERROR AND ALARM LOGGING
PRICE FOR YOUR ATTENTION:	
LATERAL SHOOTS CUTTING SYSTEM:	Nr. 8 special cutters on lubricated guides with independent electro-pneumatical system automatic adjustment of cutters pressure according to the calibre of the rootstock Automatic adjustment of cutters pressure according to the calibre of the rootstock Max. cutters opening 25 mm - Workable diameter 4÷22 mm
TRANSPORT SYSTEM:	Nr. 3 transport groups with 8 rubber rollers ø 65 mm Nr. 3 independent motors with adjustable speed Automatic adjustment of the rollers pressure
DISBUDDING SYSTEM:	Nr. 2 opposite rotating devices (0°-90°) with brushes or abrasive, tilting blades Adjustable working distance according to the rootstock calibre Nr. 4 independent motors with electronic adjustable speed from the operating panel
CALIBRE MEASUREMENT AND SCRAPS CUTTING SYSTEM:	Automatic electronic control system of the rootstock calibre with pneumatic thin waste cutting device according to minimum scraps diameter set on the operating panel
TOTAL ELECTRICAL POWER:	3.200 W.
ELECTRICAL POWER:	Three-phase 3P+N+T 400 V or Single-phase 2P+T250 V 50/60 Hz.
PNEUMATICAL POWER:	Compressed Air 6 bar (86 psi).
TOTAL DIMENSIONS AND WEIGHT:	L 1.450 X L 850 X H 1.400 mm Weight: 310 Kg
SUPPORTING FRAME BUILDING MATERIALS:	Profiled aluminium frame on pivoting wheels, with adjustable height
COVER/INFILL WALLS BUILDING MATERIALS:	Doors and panels in transparent polycarbonate and stainless steel
MAXIMUM PRODUCTIVITY:	2.000÷4.000 m/h with rootstock branches of 5÷7 m length (*net of scraps) Equivalent to: 3.000÷6.000 pieces with a length of about 36 cm (14")
MINIMUM WORKABLE LENGTH:	- Branches/pieces from 32 cm (12,5") to 12 m (40').
MACHINE AND ACCESSORIES CONTROL AND MANAGEMENT SYSTEM:	Management and control by means of Programmable Logic Controller via special drives
USER INTERFACE:	Weintek Touch Screen operator panel with human-machine-interface (HMI), easy and intuitive to use.
INTERCONNECTION AND SUPERVISION SYSTEM:	Weintek Easyaccess System for remote assistance and control of the machine via human-machine-interface. This system allows to remotely log on, supervise and control the operator panel activities (monitoring, software loading and update...).
SYSTEM INTEGRATION:	Integration and connection with the corporate computer systems provided by the end user (e.g. management softwares,...) and/or interconnection with other SMART machines in the production cycle. Connection to the corporate LAN via network interface card and physical connection to static IP address supplied by the end user. Possibility to monitor and analyse the machine power consumption, alarms, productivity and historical data.
TECHNICAL LEGISLATION:	Built in compliance with European Machinery Directive - EC Certified

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