



**zetaecotech**  
INNOVATIVE NURSERY TECHNOLOGIES

by **Electrozeta**

San Giorgio della Richinvelda (PN) - [www.zetaecotech.it](http://www.zetaecotech.it)

## DRY WAXING MACHINES HECO << A1-440 A1-440-S >>

The Dry Waxing Machines of the **HECO** Series have completely changed the traditional wax melting methods by introducing an innovative **direct dry heating system**, without using diathermic oil, water or any other liquids.

The essential key of this new system is the use of special electric heaters that are an integral part of the structural walls of the tanks, thus allowing a **direct, uniform heating**.

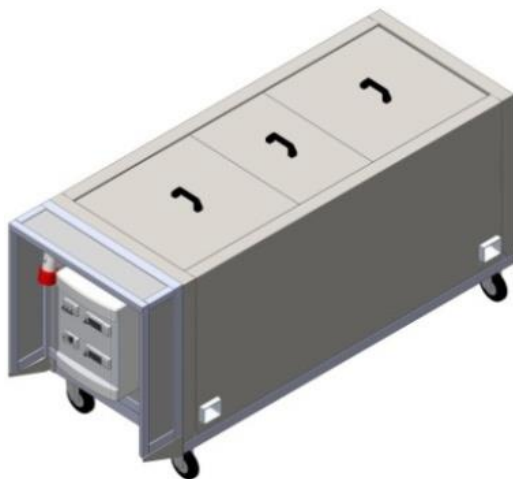
The introduction of this solution has overcome all the problems associated with traditional heating methods, such as harmful emissions, high energy consumption, long working times, unsafe procedures and high operating and maintenance costs.

The Dry Waxing Machines by **Zetaecotech** are designed and built with high quality raw materials, such as **stainless steel and aluminium** that guarantee great performances. Thanks to its high conductivity, aluminium allows a **uniform heating** of the tanks and **high thermal efficiency**, whereas stainless steel ensures reliability and **durability over time**.

Our **HECO products**, well-known on the market since 1998, have been constantly developed and improved over the years, also thanks to the direct cooperation with the local nurserymen.

This has allowed us to build even more **performing and reliable equipment**, making them ideal for the melting of all kinds of wax used in different nursery sectors and especially in the *Barbatelle* or *rooted grafts* field.

### AVAILABLE VERSIONS:

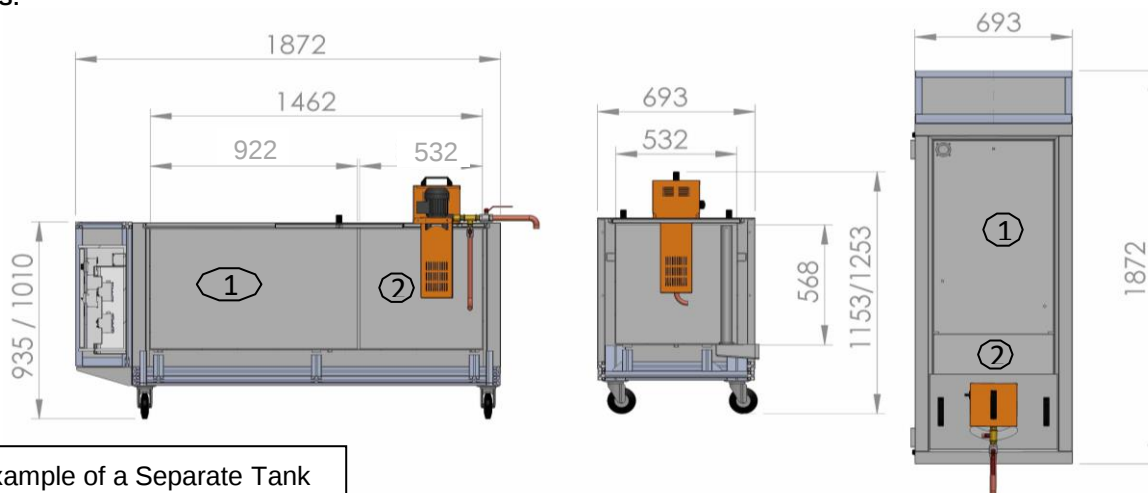


**A1-440**  
V11: Tank R21\_5050



**A1-440-S**  
V21: Tank R21\_3050/2000 + Pump Group

### DIMENSIONS:



Example of a Separate Tank

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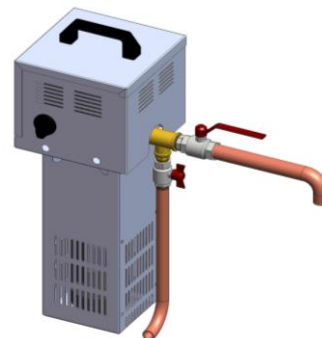
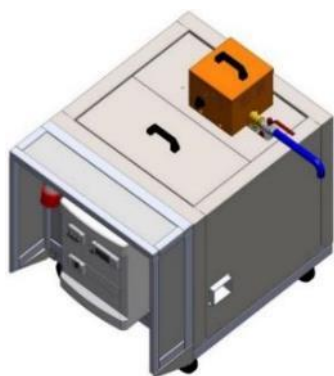
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**DRY WAXING MACHINES: << A1-440 >>****<< A1-440-S >>**

Latest Update: 07/08/2023

| TECHNICAL FEATURES:                                              | VERSION 440:<br>V11_R21_5050_SINGLE TANK                                                                                                                                                                                     | VERSIONE 440-S:<br>V21_R21_3050/2000_SEPARATE TANK                                  |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PRICE FOR YOUR ATTENTION:                                        |                                                                                                                                                                                                                              |                                                                                     |
| HEATING SYSTEM:                                                  | Direct dry heating system with special electric heaters, without the use of diathermic oil or water.<br>Energy consumption reduced by 50%.                                                                                   |                                                                                     |
| 1ST TANK CAPACITY:                                               | 440 Lt. / 396 Kg.                                                                                                                                                                                                            | 278 Lt. / 250 Kg.                                                                   |
| 2ND TANK CAPACITY:                                               | /                                                                                                                                                                                                                            | 162 Lt. / 146 Kg. .                                                                 |
| TOTAL TANK CAPACITY:                                             | 440 Lt. / 396 Kg.                                                                                                                                                                                                            | 440 Lt. / 396 Kg.                                                                   |
| 1ST TANK ELECTRICAL POWER:                                       | 5.050 W                                                                                                                                                                                                                      | 3.050 W                                                                             |
| 2ND TANK ELECTRICAL POWER:                                       | /                                                                                                                                                                                                                            | 2.000 W                                                                             |
| TOTAL ELECTRICAL POWER:                                          | 5.050 W                                                                                                                                                                                                                      | 5.050 W                                                                             |
| 1ST TANK HEATERS CONFIGURATION:                                  | R21_5050                                                                                                                                                                                                                     | R13_3050                                                                            |
| 2ND TANK HEATERS CONFIGURATION:                                  | /                                                                                                                                                                                                                            | R8_2000                                                                             |
| POWER SUPPLY:                                                    | Single-Phase 230V 2P+T or Three-Phase 3P+ N+T 400 V, 50/60 Hz                                                                                                                                                                |                                                                                     |
| TEMPERATURE CONTROL:                                             | Digital electronic temperature controllers with 2 thresholds and PTC probes inside the tanks<br>They allow temperature to remain constant with an accuracy range of $\pm 0.3^{\circ}\text{C}$ ( $\pm 0.5^{\circ}\text{F}$ ). |                                                                                     |
| 1ST TANK DIMENSIONS:                                             | L 1.462 x W 532 x H <b>568</b> mm                                                                                                                                                                                            | L 922 x W 532 x H <b>568</b> mm                                                     |
| 2ND TANK DIMENSIONS:                                             | /                                                                                                                                                                                                                            | L 540 x W 532 x H <b>568</b> mm                                                     |
| TOTAL DIMENSIONS AND WEIGHT:                                     | Without pump: L 1920 x W 700 x H 990 mm - Weight: 190 Kg.<br>With pump: L 1920 x W 700 x H 1.200 mm - Weight: 205 Kg.                                                                                                        |                                                                                     |
| TANK:<br>BUILDING MATERIALS                                      | Aluminium thickness 40/10 mm.                                                                                                                                                                                                |                                                                                     |
| SUPPORTING FRAME:<br>BUILDING MATERIALS                          | Profiled aluminium frame on pivoting wheels, with adjustable height                                                                                                                                                          |                                                                                     |
| COVER/INFILL WALLS:<br>BUILDING MATERIALS                        | Stainless steel sheet with closed-cell polyurethane insulation - Thickness 20 mm                                                                                                                                             |                                                                                     |
| INITIAL MELTING TIME:                                            | 7/8 hours for about 396 Kg of Wax                                                                                                                                                                                            |                                                                                     |
| MELTING CAPACITY PER HOUR:                                       | 30÷33 Kg/h<br>with Wax Temperature of 85°C                                                                                                                                                                                   | 21÷12 Kg/h<br>with Wax Temperature of 85°C                                          |
| AVERAGE PRODUCTION CAPACITY:<br>*Depending on the waxing phases: | 5.000÷12.000<br>rooted vines/h                                                                                                                                                                                               | 5.000÷12.000<br>rooted vines/h                                                      |
| STANDARD EQUIPMENT:                                              | No. 1 Digital Temperature Controller<br>Pump Power Supply Kit                                                                                                                                                                | No. 2 Digital Temperature Controllers<br>Pump Power Supply Kit<br>+ Separator Group |
| OPTIONAL:                                                        | Agitation and Transfer Pump Group, 2nd Temperature Controller for version <b>V11</b><br>Separator for version <b>V11</b><br>Digital Timer                                                                                    |                                                                                     |
| TECHNICAL LEGISLATIONS:                                          | Built in compliance with <b>European Machinery Directive - EC certified</b>                                                                                                                                                  |                                                                                     |



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