



Instructions for use

Plaster drying oven 701E31

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1. Important information on this document

	WARNING Working with this product without following the operating instructions Death or serious injuries may result from imprudent working methods ▶ Read the operating instructions before working with this product ▶ Familiarise yourself with the structure and contents of the operating instructions. For this purpose, read the section "Field of application for this document". ▶ It is important to go through the "Product description" section and the safety notices in sections relating to the work to be performed. ▶ Always keep these operating instructions close to the product
	The information set out opposite this symbol is intended to prevent serious injuries and/or death; always read this information carefully. The activity is only to be continued if the correct safety precautions have been taken.

1.1 *Scope of the document*

This document concerns one or more of the following products:

Reference number	Designation of the machine
701E31	Plaster drying oven



Nameplate key	
1	Product name
2	Serial number
3	Article number
4	Voltage in volts/Frequency in Hz/Power in kW
5	Year of manufacture

1.2 Document release date

Approval date [year-month-day]	Version number
2023-05-10	2319

1.3 Information on the operating instructions

These operating instructions were originally created in Dutch. Operating instructions in any other language are a translation of the original version.

2. Product description

2.1 *Intended use*

	WARNING ▶ Use this product exclusively for the intended use. ▶ The manufacturer is only liable to the extent that the 701E31 plaster drying oven is used in accordance with the instructions. ▶ You are advised to maintain this product in accordance with the operating instructions.
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The product was designed for the following areas of application:

Intended production methods

- Drying

Material to be processed

- ▶ Plaster

Intended installation

- ▶ Orthopaedic workshop

User training level requirements

- ▶ Only for use by personnel with sufficient qualifications
- ▶ Maintenance and repairs may only be completed by service technicians who have been authorised by Otto Bock Equipment B.V.

2.2 *Explanation of symbols on the product*

The symbols listed below appear on labels attached to the product:

	Danger, voltage. Disconnect the power source before opening.
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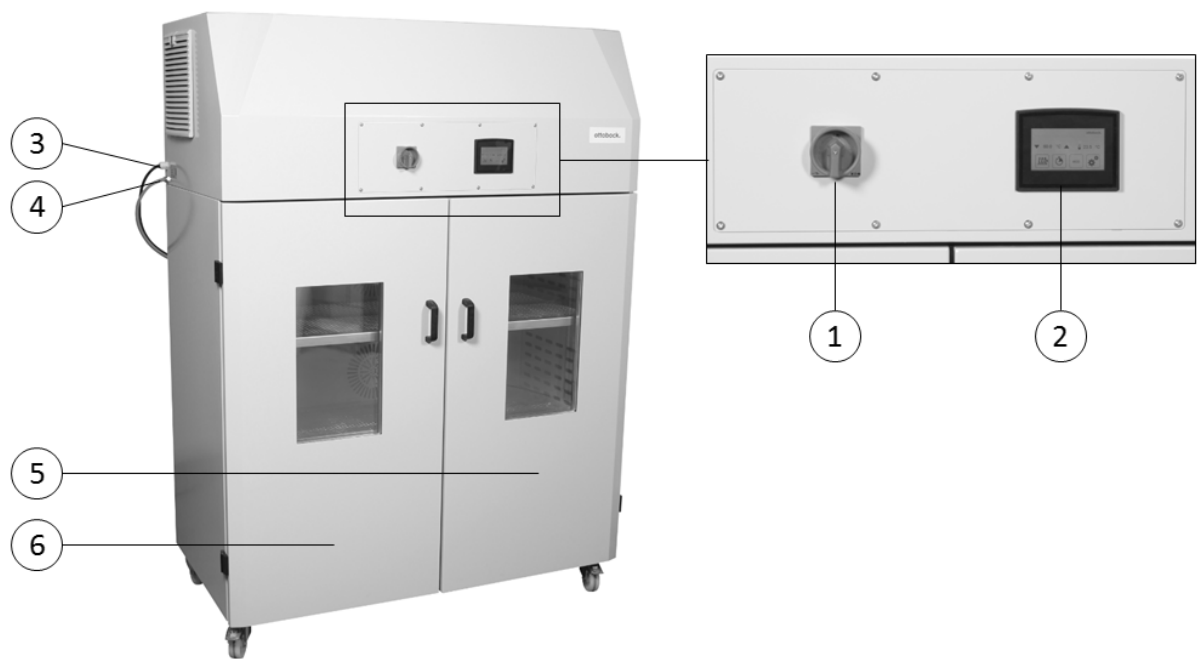
For all symbols used in these operating instructions, see the section "**Pictograms used**".

2.3 *Improper use*

The product is not intended for the following unauthorised applications:

- Improper use is any use that is not listed in the "**Intended use**" section.

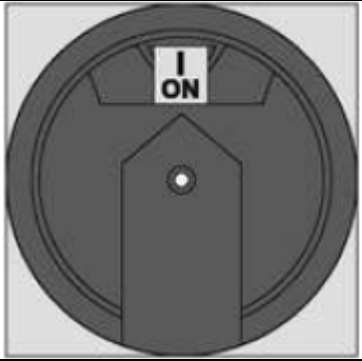
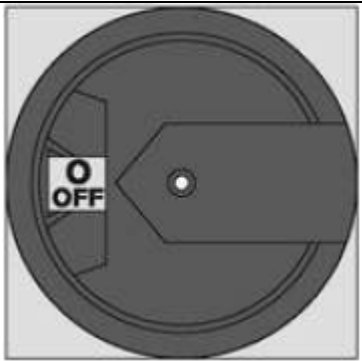
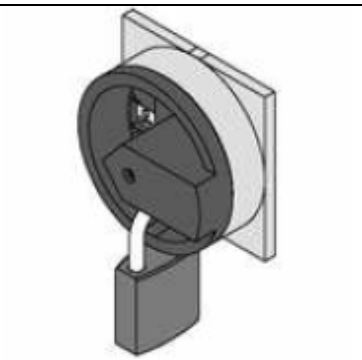
2.4 Product overview



Product overview			
1	Main switch	4	Condensate drain
2	Touchscreen	5	Left door
3	Power connection	6	Right door

2.5 *Operating elements*

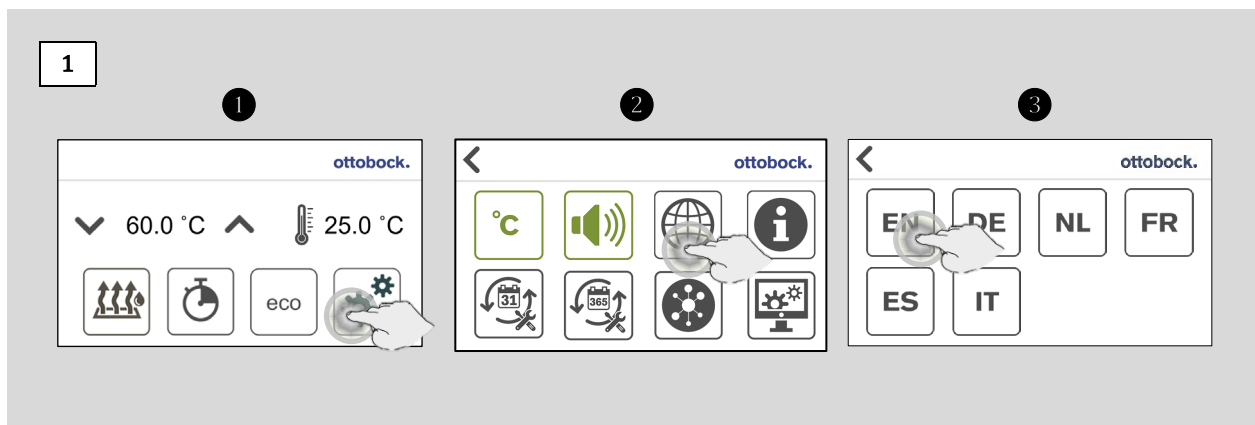
2.5.1 Main switch

	When the switch is in the I ON position.
	When the switch is in the O OFF position.
	The main switch can be secured in the O OFF position with a padlock. This padlock is not included in the scope of delivery.

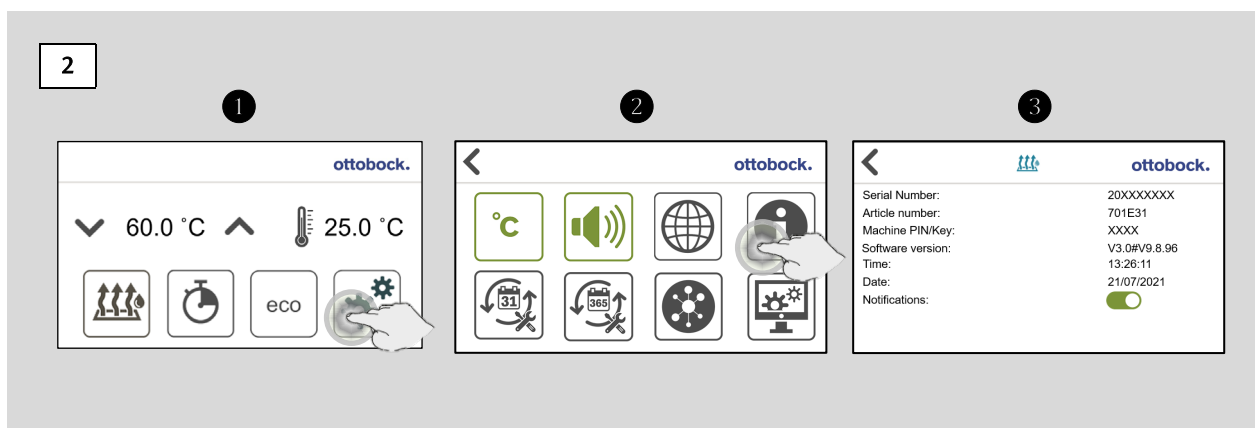
2.5.2 Touchscreen

The drying 701E31 oven is operated via a touchscreen. Operating this control device, including the screen displays that the touchscreen can display, is explained in this section.

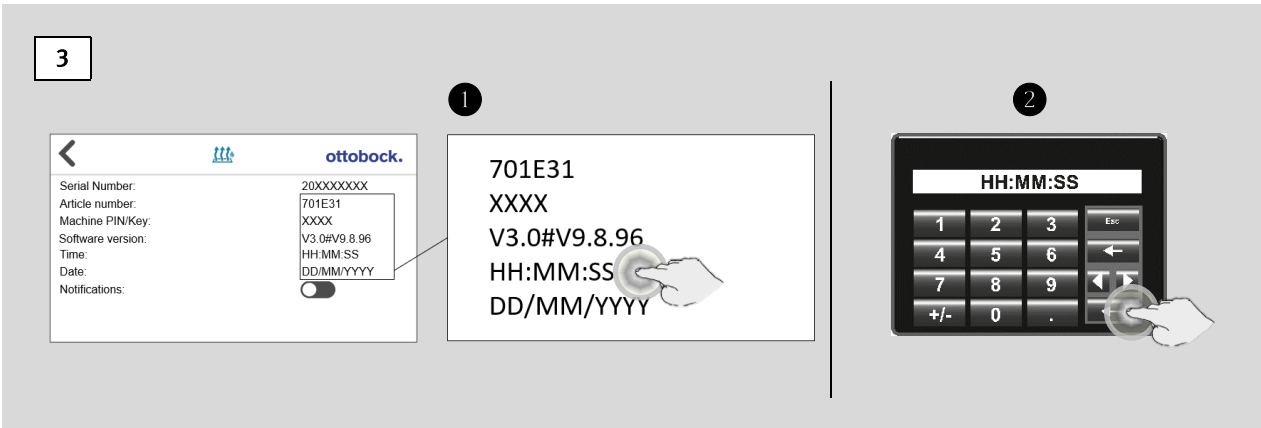
2.5.2.1 Change language



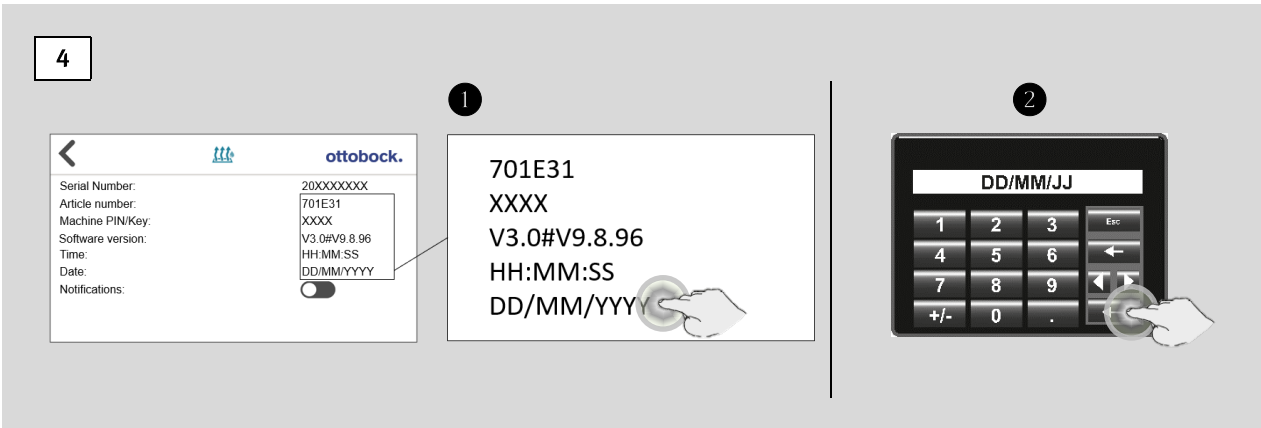
2.5.2.2 Display system information



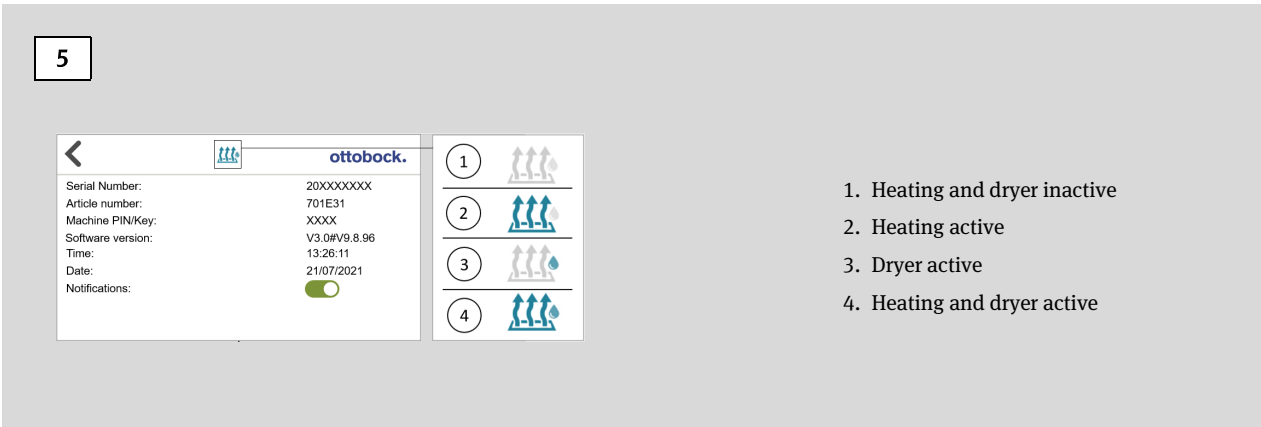
2.5.2.3 Setting the time



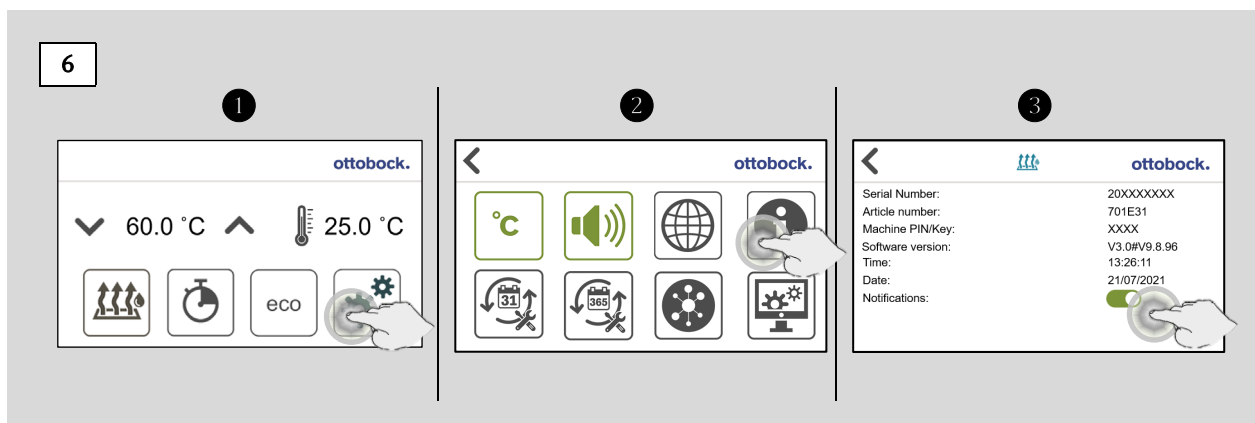
2.5.2.4 Setting the date



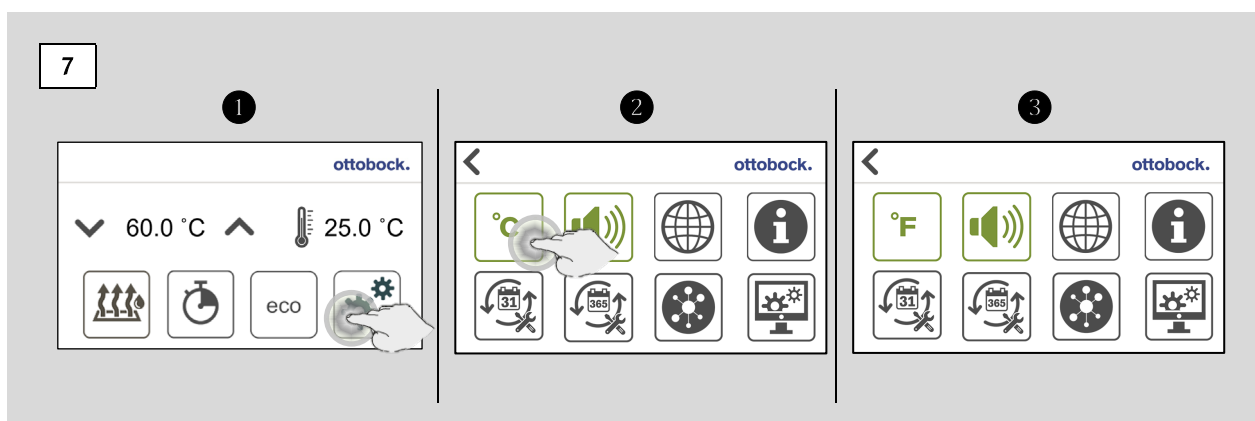
2.5.2.5 Drying/heating active



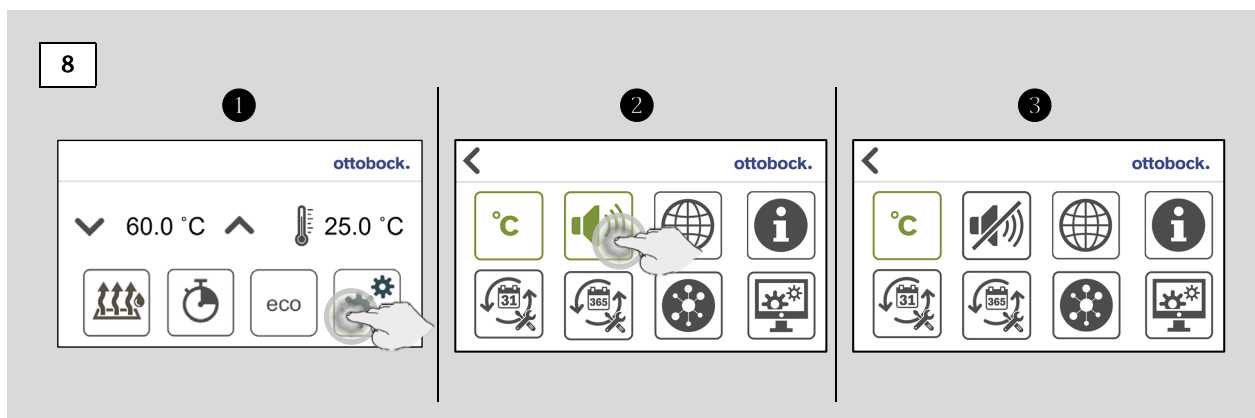
2.5.2.6 Service interval notifications on/off



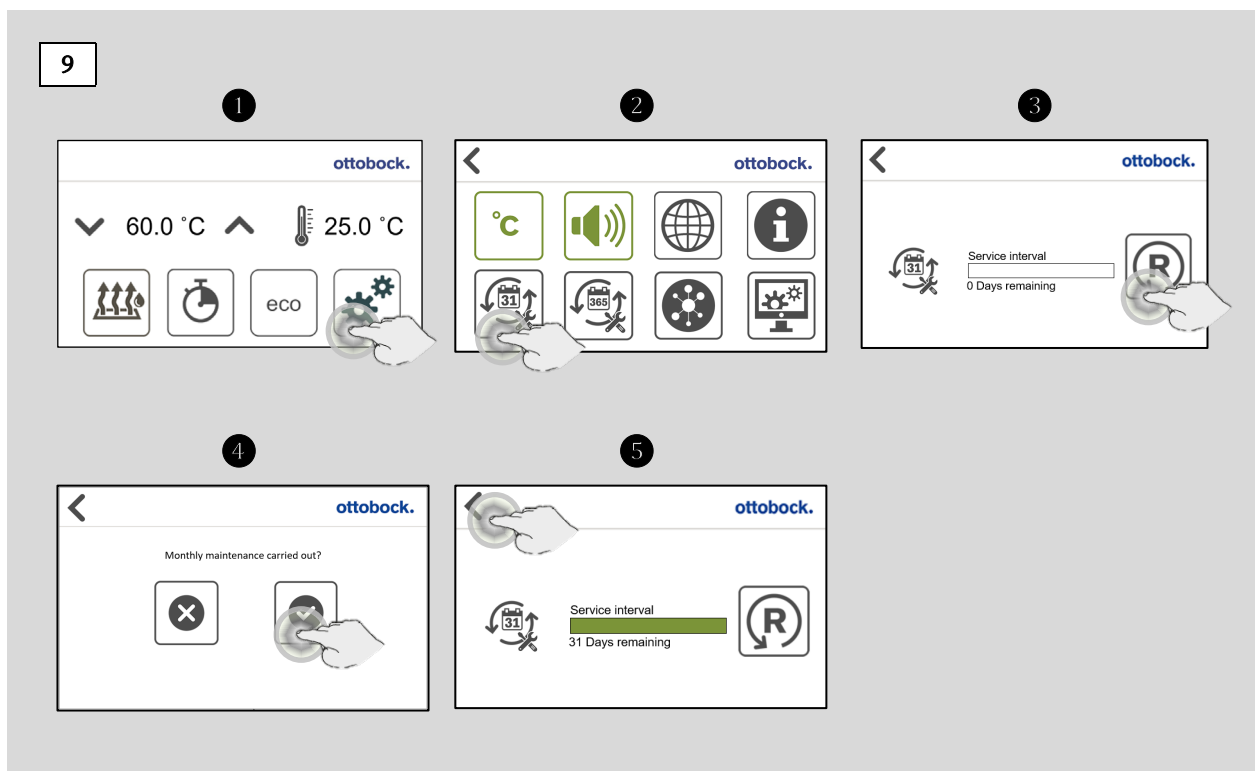
2.5.2.7 Change the temperature unit °C/ °F



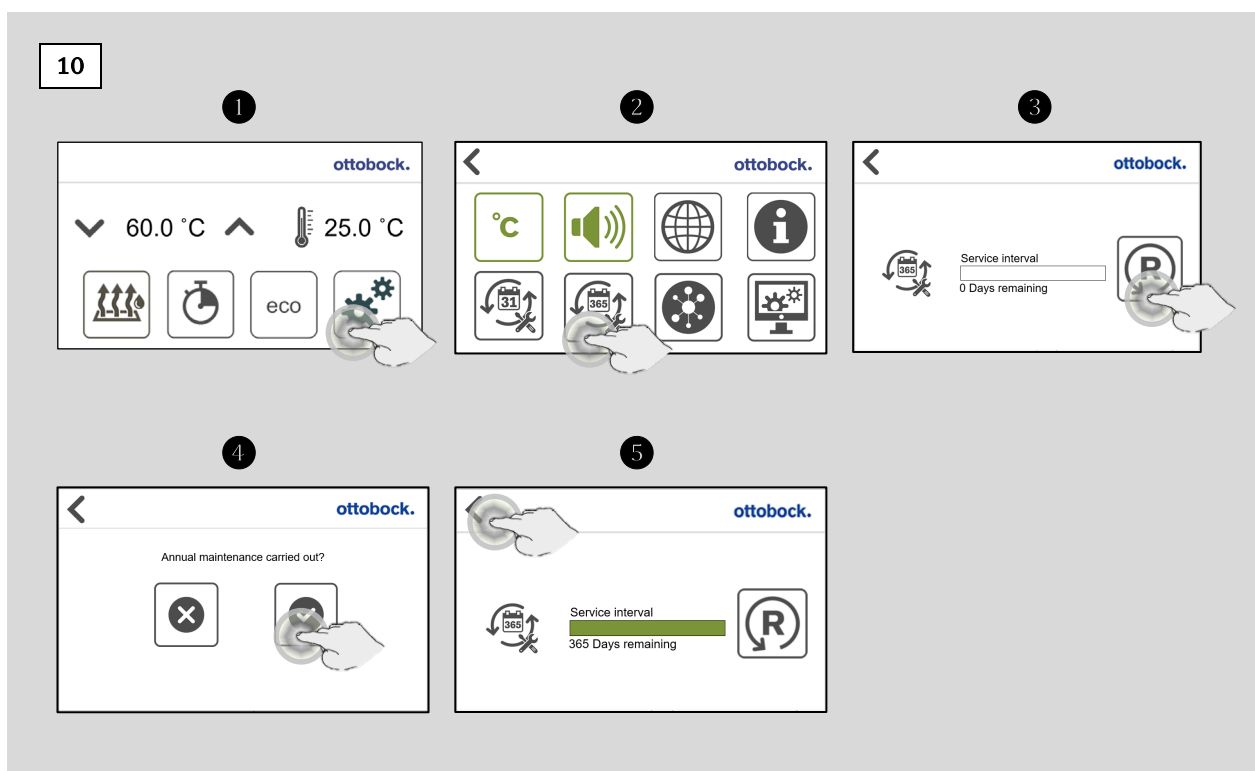
2.5.2.8 End of timer acoustic signal on/off



2.5.2.9 Monthly service interval, see 12.2 maintenance



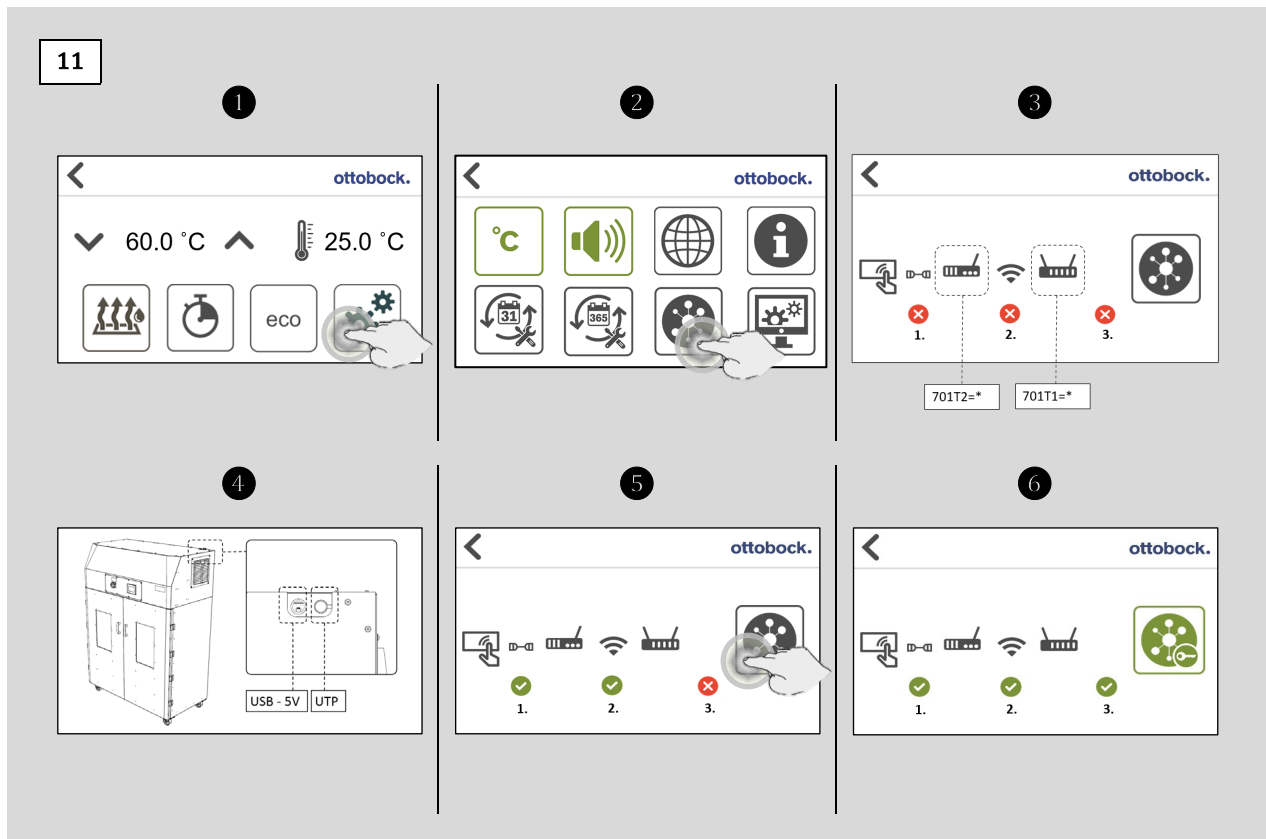
2.5.2.10 Annual service interval, see 12.2 Maintenance



2.5.2.11 Optional: Connecting machine to Ottobock work.hub

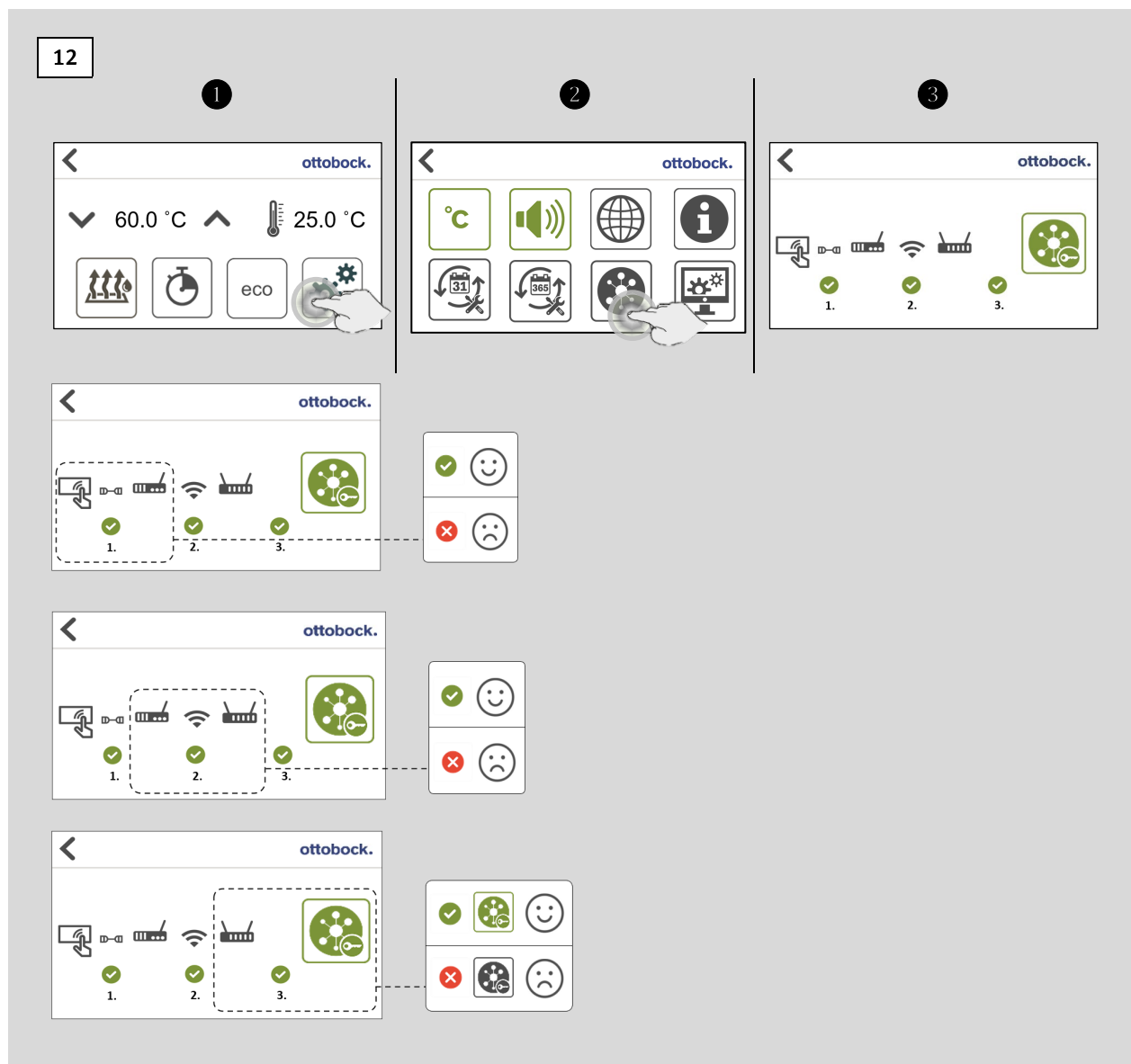
”701T2=* Ottobock work.hub Connection Box” is required to use this option. Possibly also the “701T1=* Ottobock work.hub gateway”

- Contact customer support (customersupport.pe@ottobock.com) to learn more about the Ottobock Work-hub

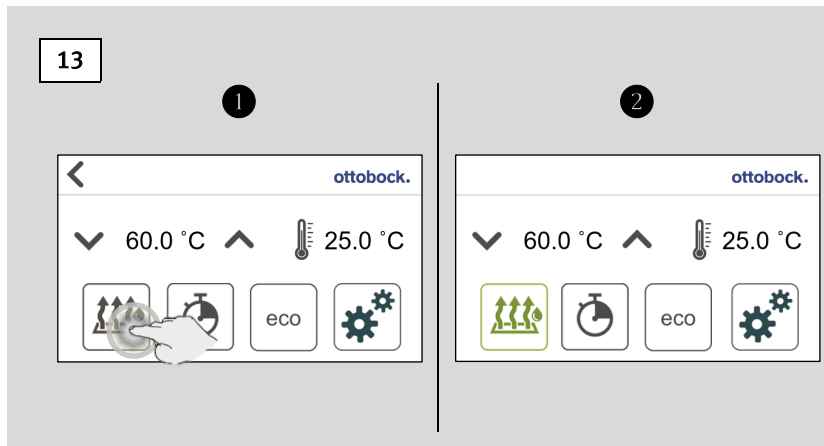


2.5.2.12 Ottobock work.hub control screen

This screen is only available if this option is connected.

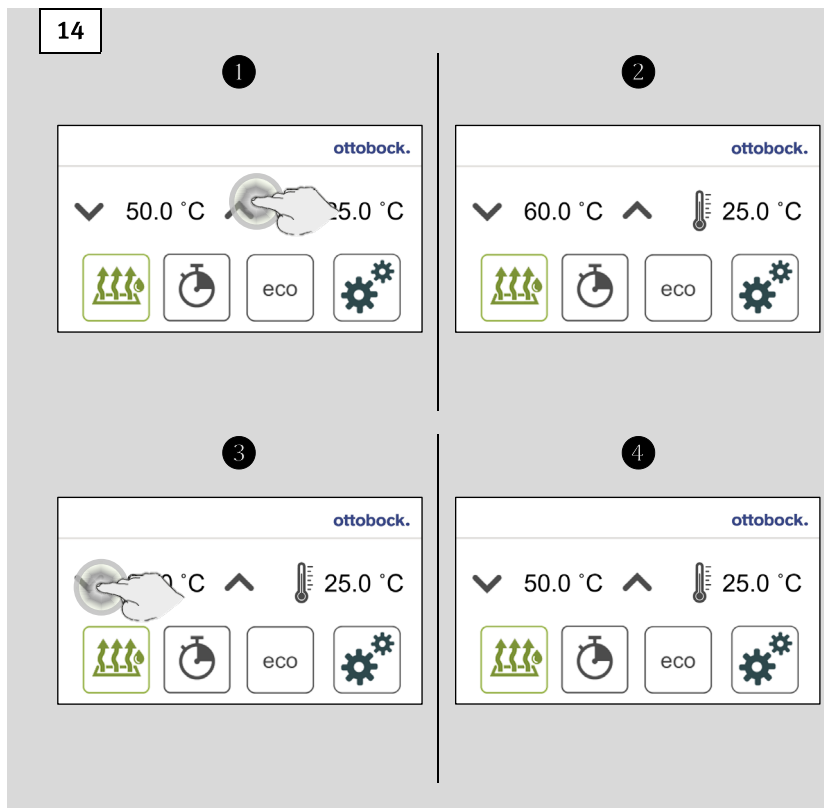


2.5.2.13 Switching on the machine



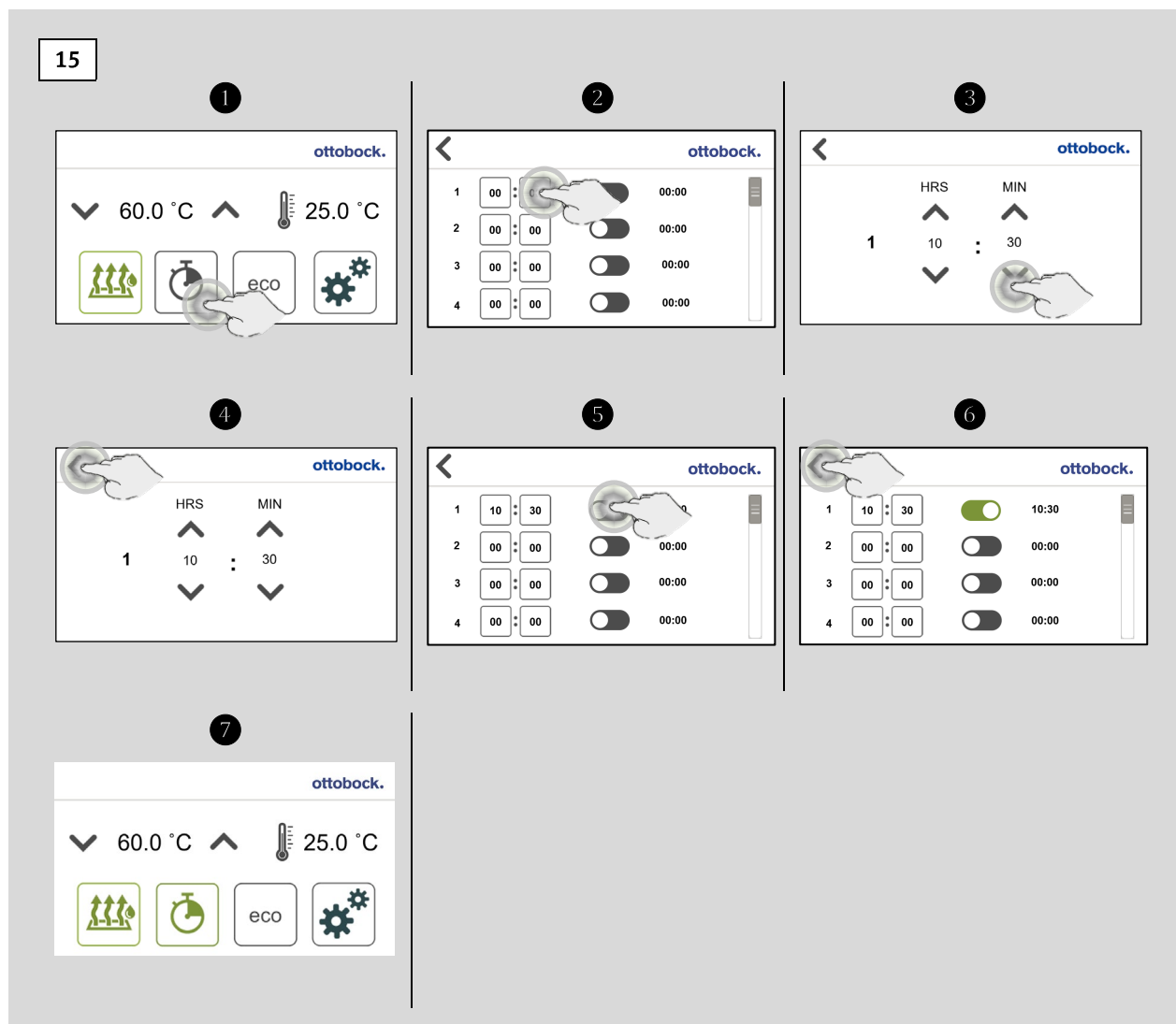
2.5.2.14 Temperature setting

The set temperature is displayed on the left side of the screen and the current temperature in the cabin on the right side. The maximum adjustable temperature is 60 °C.

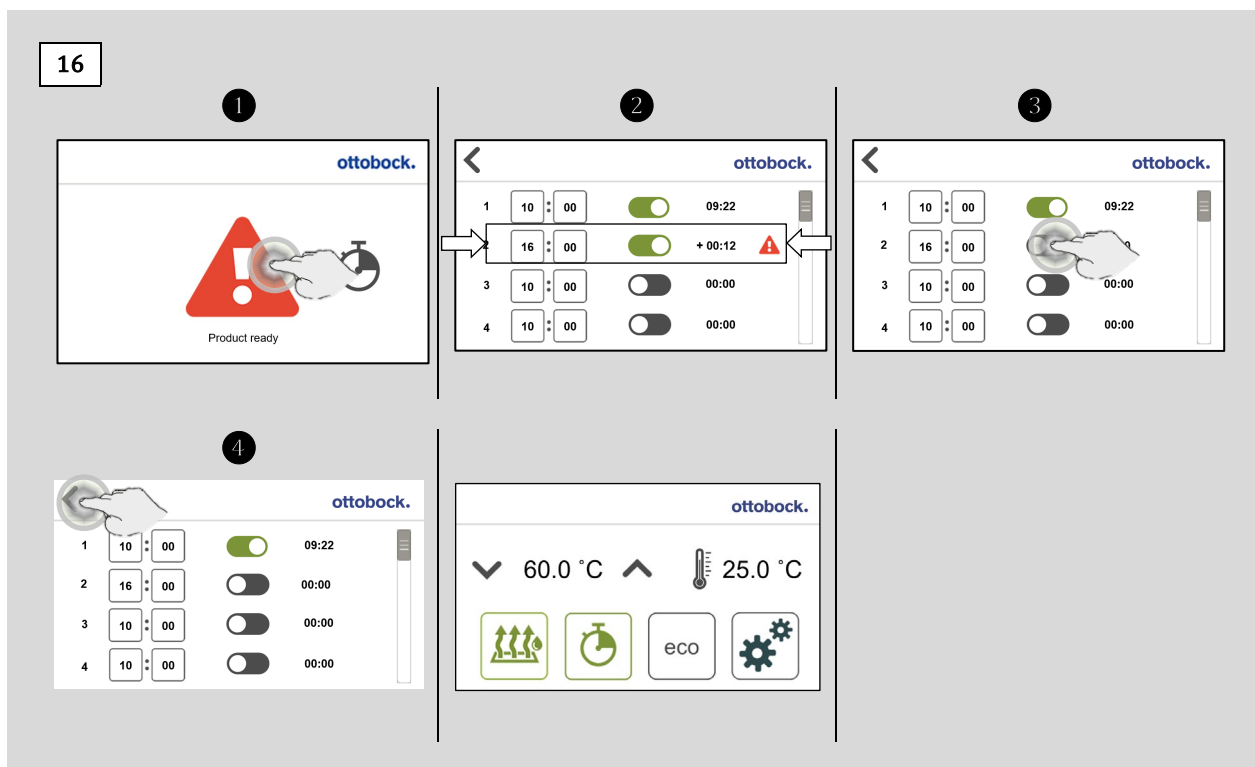


2.5.2.15 Setting up and activating product timer

There are 20 adjustable product timers that can be used to set a drying time per product. There are four timers shown per screen; tap the bar on the right side of the screen to see the remaining timers.

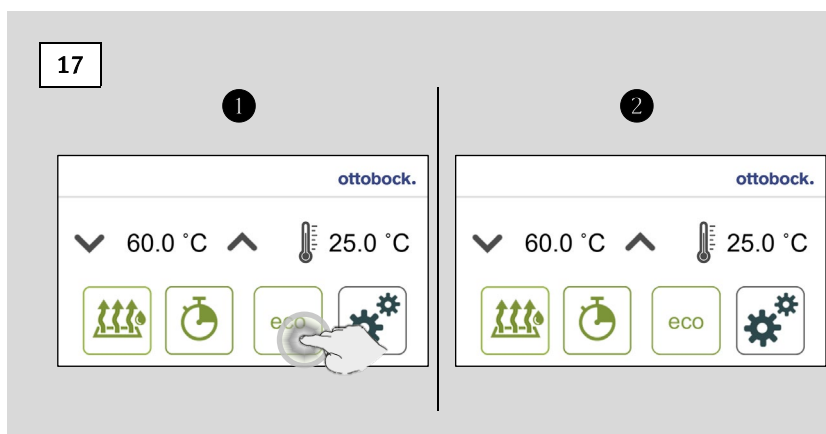


2.5.2.16 Product timer ready and deactivate



2.5.2.17 Activate eco-mode

Eco mode can only be activated if one of the timers is active. The machine switches off when all timers are finished.



3 Transport

	WARNING Never walk or stand underneath suspended loads Death or serious injuries may result from imprudent working methods ▶ Ensure that no persons are close to suspended loads during transport.
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 	WARNING A number of precautions must be taken to ensure safety during transport: ▶ Wear safety shoes. ▶ Ensure the personnel are properly trained. ▶ Always lift or hoist with at least two people. ▶ Note the centre of gravity of the product so that it does not tip during transport. ▶ Lift or hoist the product only at the point over the centre of gravity and ensure proper stability (for instance by using a forklift). ▶ During transport, lifting and hoisting, do not exceed the maximum load for transport, lifting and/or hoisting equipment. ▶ Transport the product only in the original packaging. ▶ Make sure that the product is sufficiently secured to the means of transport.
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	ATTENTION ▶ Protect the product from moisture and extreme temperature fluctuations. ▶ To avoid contamination during transport, leave the product in the original packaging or cover it with protective film.
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4 Storage

	ATTENTION ▶ For information about storage, see the "Technical data" section. ▶ Protect the product from moisture and extreme temperature fluctuations. ▶ In order to avoid contamination during storage, leave the product in the original packaging or cover it with protective film.
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5 Unpacking

	When unpacking, a number of precautions must be taken to ensure safety: ▶ Wear safety shoes. ▶ Ensure the personnel are properly trained.
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	▶ Check that the delivery is complete.
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Consult the section “Operating elements” for information on how to operate the 701E31 plaster drying oven.

5.1 *Checking the delivered items*

The following products are included in the scope of delivery:

Contents			
#	Description	Article number	Illustration
1x	Drying oven	-	
1x	CEE wall socket, 230 V (blue)	JAM-01.06.0051.0	
1x	Operating instructions - EN Operating instructions - DE	JAM-16.10.0671.0 JAM-16.10.0672.0	
1x	Electrical diagram	-	

6 Installation

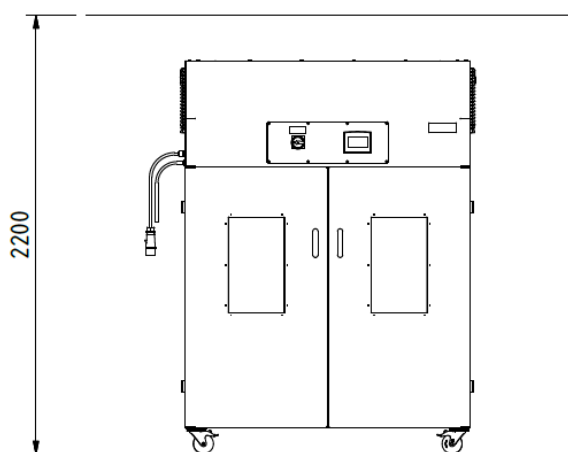
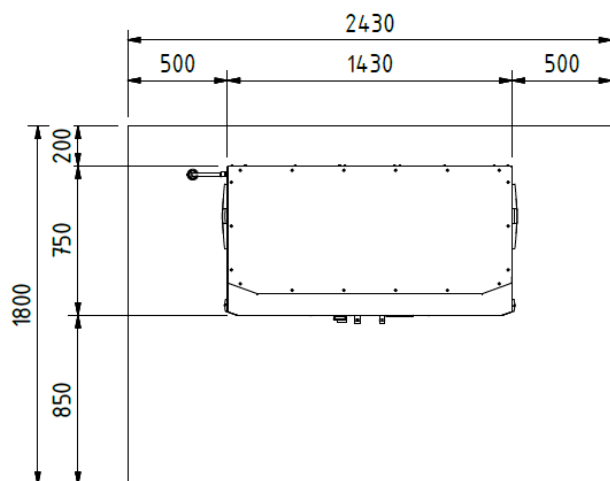
The 701E31 plaster drying oven must be installed on a level, solid base. Sufficient space for operation, maintenance and heat dissipation must be left on all sides.

The 701E31 plaster drying oven is delivered ready for operation, and is not suitable for integrated installation. The space required is:

Width: 2430 mm

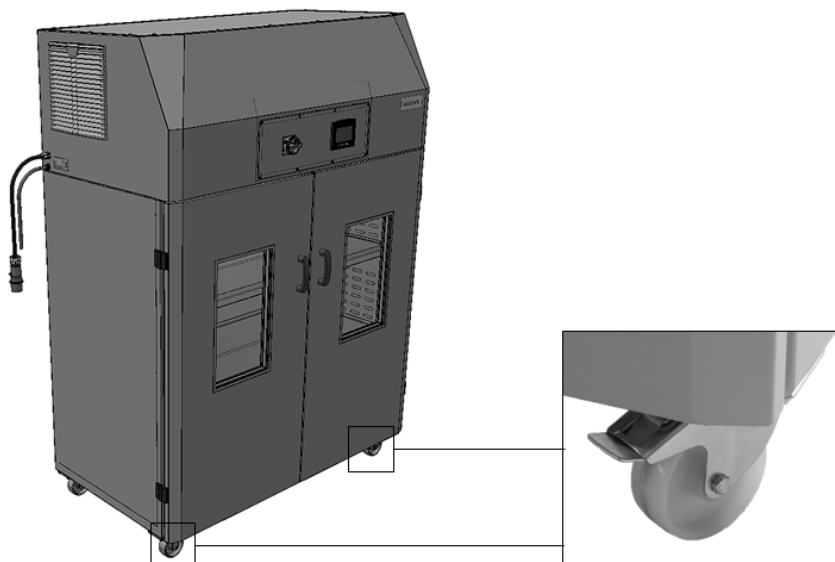
Depth: 1800 mm

Height: 2200 mm



6.1 *Connection of the product*

When the 701E31 plaster drying oven has been set up at the installation location under consideration of the space requirements, the two front wheels have to be locked.



Then the 701E31 plaster drying oven can be connected.

The following must be connected:

- ▶ Power supply
- ▶ Condensate drain

6.1.1 Power supply

It is a power supply of 230 V, 1Ph+N+PE. The wall socket for this connection is included in the scope of delivery (see the section "Checking the delivered items"). Please also make sure that it is connected to a separate 16 A circuit protected by a 30 mA type A residual current protector.

6.1.2 Condensate drain

The minimum required drain size for the condensate is $\varnothing$ 32 mm. Insert the condensate drain hose (see the section "Product overview," POS. 3) into this outlet.

7 Technical data

Description:	Plaster drying oven		
Type:	701E31		
Year of manufacture:	See nameplate		
Weight:	365 kg		
Dimensions:			
Width:	1479	mm	
Depth:	789	mm	
Height:	1978	mm	
Interior dimensions:			
Width:	1246	mm	
Depth:	540	mm	
Height:	1218	mm	
Interior volume:	820	l	
Max. load capacity, shelf board:	50 kg		
Temperature range:	40-60 °C 104-140 °F		
Power:	3.0	kW	
Voltage:	1x230	V	
Frequency:	50	Hz	
Amperage:	13	A	
Material:	Steel and stainless steel		
Surface treatment:	The outside of the product is coated in light grey (RAL 7035)		
Installation details:	Ambient temperature between 5 °C and 30 °C The base must be smooth and level		

8 EU Declaration of Conformity

Manufacturer: Otto Bock Equipment B.V.
Industriepark "het Hoog"
Mandenmaker 14 5253 RC,
Nieuwkuijk, Netherlands

hereby declares that the 701E31G plaster drying oven machine manufactured by us complies fully with the requirements of the following directives:

2006/42/EC	General machinery directive.
2014/35/EU	Low voltage directive.
2011/65/EU	Restrictions on the use of certain hazardous substances in electrical and electronic equipment.

and complies with the following standards:

NEN-EN-ISO 12100:2010	Safety of machinery — General principles for design — Risk assessment and risk reduction.
NEN-EN-ISO 13854:2019	Safety of machinery – Minimum gaps to avoid crushing of parts of the human body.
NEN-EN-ISO 13850:2015	Safety of machinery — Emergency stop function — Principles for design.
NEN-EN-IEC 60204-1:2018	Safety of machinery – Electrical equipment of machines - Part 1: General requirements.

Nieuwkuijk,
21 June 2023



A.H.M. Boom,

Managing Director of Otto Bock Equipment B.V.

9 Operation

This section describes the daily use of the 701E31 plaster drying oven. The product is only suitable for the purposes described in the section “**Intended use.**”

	Safety measures, including the following, must be taken during use: ▶ Safety shoes required ▶ Operation by qualified personnel ▶ Clean working environment, keep the floor clean
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For operation of the machine, see Section 2.5.2 Touchscreen.

10 Component list

Illustration	Article number	Product description
	JAM-08.99.9550.0	Shelf board
	JAM-02.01.0304.0	Tubing 12 mm
	JAM-52.30.2008.0	Grate
	JAM-52.30.2009.0	Grate with fan
	JAM-04.20.0100.0	Caster wheel
	JAM-04.20.0105.0	Caster wheel with wheel lock

11 Servicing the product

Servicing of the products of Otto Bock Equipment B.V. must only be performed by the supplier or by an installer approved by the supplier. Ensure that the power supply is completely disconnected during servicing. Do this either by turning the main switch to the position **O OFF** (see the section "**Main switch**") or by disconnecting the plug from the socket.

 	▶ The user may be placed in danger by incorrect use of the product or by repairs performed by unauthorised personnel. ▶ Only use original spare parts. ▶ Otto Bock Equipment B.V. accepts no liability whatsoever in case of improper use or if non-original spare parts are used. ▶ Before opening, pull the plug from the outlet.
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12 Malfunctions and maintenance

12.1 Malfunctions

The most common malfunctions are mechanical failures which are generally easy to fix.

Malfunction	Possible cause	Possible action
Touch screen does not work	- No power supply connected - The main switch is not on	- Make sure the plug is connected to the socket - Turn on the main switch (see "Operating elements")
Setting the timer does not work	- The timer is running	- Turn the timer off, then set the timer and (if desired) turn the timer back on
The set temperature is not reached	- The doors are open	- Close the doors
Water in the drying oven	- The condensate drain is blocked	- Check the condensate drain hose and/or blow it out (e.g. with compressed air)
Dryer unit is not working well	- Fins of the dryer unit are dirty	- Clean the fins of the dryer unit (e.g. with compressed air)

If the possible solutions set out above do not resolve the problem, please contact your distributor. Ensure that you have the following information at hand: serial number, year of manufacture and model. This information can be found on the nameplate – see the section "Field of application for this document".

12.2 *Maintenance*

 	▶ The user may be placed in danger by incorrect use of the product or by repairs performed by unauthorised personnel. ▶ Only use original spare parts. ▶ Otto Bock Equipment B.V. accepts no liability whatsoever in case of improper use or if non-original spare parts are used. ▶ Before opening, pull the plug from the outlet.
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The 701E31 plaster drying oven requires regular maintenance. Perform regular maintenance according to the schedule below:

	Regular maintenance			
	Daily	Weekly	Monthly	Annually
Clean the fins of the dryer unit			X	
Blow out the condensate drain			X	X

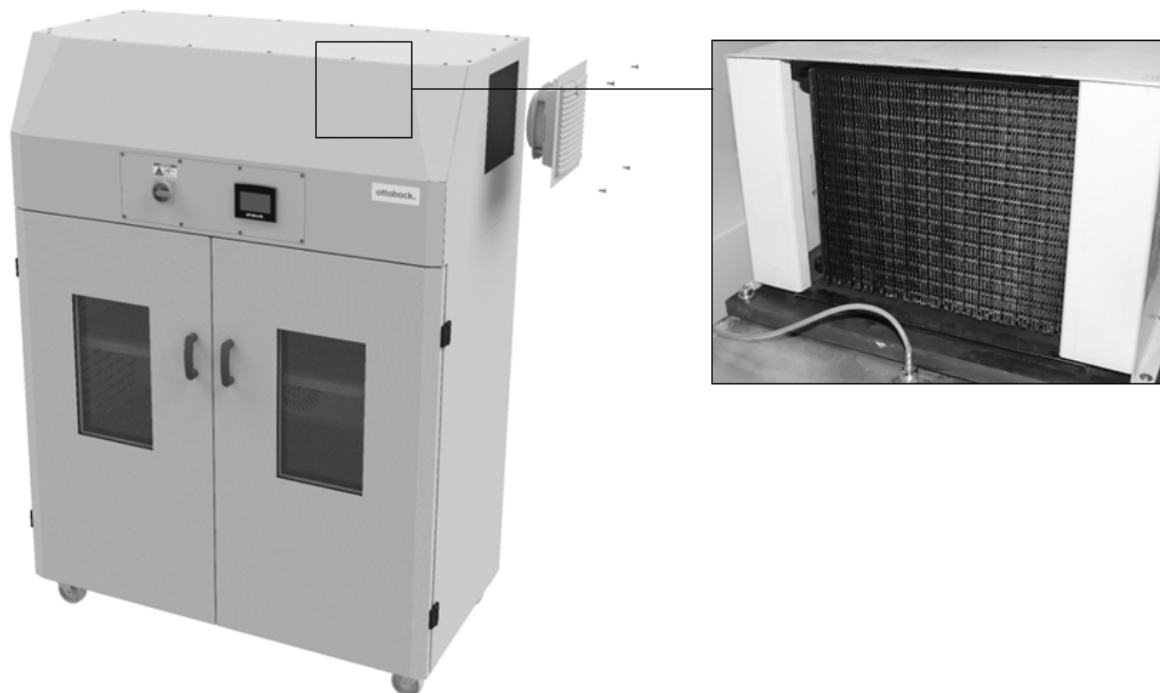
12.2.1 Cleaning the fins of the dryer unit

 	The following safety measures must be observed during maintenance: ▶ Eye protection. ▶ Light breathing protection
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Both monthly and annual maintenance is required.

Monthly maintenance

For monthly maintenance, remove the grating on the left side by loosening the 4x M6 screws, creating a square opening on the left side. Subsequently the fins of the dryer unit can be cleaned through this opening (for example using compressed air at reduced pressure). Then reinstall the grate.



Annual maintenance

For annual maintenance, remove the cover by loosening the 18x M6 screws. Subsequently clean the fins of the dryer unit and the entire upper space (for example using compressed air at reduced pressure). Then reinstall the cover.



13 Pictograms used

The subsections that follow list the symbols and pictograms that may be used in this document as well as their meaning.

13.1 Warning symbols

	Warning of general danger
	Warning of suspended loads
	Risk of tipping
	Hazardous voltage warning
	Warning of rotating parts
	Warning of splinters
	Noise warning

	Toxic materials warning
	Noxious or irritating substances warning
	Risk of crushing lower limbs (e.g. feet)
	Risk of tripping
	Slip hazard warning
	Risk of crushing upper limbs (e.g. hands)
	Warning of sharp objects (risk of cutting upper limbs, e.g. hands)

13.2 *Mandatory symbols*

	General mandatory symbols
	Read the operating instructions carefully
	Work only with 2 people or in the presence of a 2 nd person
	Hair covering required
	Hearing protection required
	Eye and hearing protection required
	Eye protection required

	Wear eye and mouth protection
	Light respiratory protection required
	Safety clothing required
	Protective gloves
	Safety shoes required
	Before opening, pull plug from the socket
	Unlock before maintenance or repair
	Padlock required

13.3 *Prohibition symbols*

	Never walk or stand underneath suspended loads.
	Gloves prohibited
	Suction of sources of ignition prohibited

13.4 *Pictograms for transport and storage*

	Place in front of the forks of the forklift/pallet truck
	Lifting point
	This side up for transport and storage
	Protect against soiling
	Note the centre of gravity

Notices

Handwriting practice lines consisting of 20 horizontal dashed lines.

Manufacturer and supplier:

*Otto Bock Equipment B.V.
Industriepark “het Hoog”
Mandenmaker 14
5253RC, Nieuwkuijk
Netherlands
www.pe.ottobock.com*

JAM-16.10.0671.0