

Delivery form Erkoform-3	Order number:	Technical data:
1 Erkoform-3 with accessories as follows:	188 300	Measurement (mm): height, 315 width, 350, depth, 370 weight: 11.2 kg
1 foil securing ring	188 550	Foil measures: diameter, 120 mm thickness, 0-6 mm
1 granules collecting device	188 570	Electricity: volts: 230/240/115/100 watt: 320 (incl. heater) fuse: 2 x T-2A (230/240 V) or 2 x T-4A (100/115 V)
1 model plate	188 507	Heater technique: medium-wave, round-pipe infrared heater volts, 230/240/115/100, watt, 280
1 granules pot	188 593	Sensor: touchless infrared temperature sensor
1 brush for granules, incl. magnet	188 510	Vacuum technique: with pre-vacuum, vacuum, 0.8 bar, 9 l/min noise level < 60 db (A)
1 power supply cable	188 001	
1 filling granules high-grade steel (magnetic) with rounded edges (1.8 kg supplied with Erkoform-3)	110 852 (1.3 kg)	
1 foil trial package		
Instructions, material card, foil temperature list, Erkodent program, guarantee card, declaration of conformity (if applicable).		

Trouble shooting: mistake	possible reasons and elimination (ass, after-sales-service)
machine not ready to use	check wall socket, machine plug or fuses
heater does not glow	exchange heater, switch for heater or circuit board (ass)
program reacts absurdly	clean sensor window, exchange sensor (ass)
vacuum not sufficient	remove granules from sealings, check foil concerning holes, exchange sealings, clean or exchange vacuum pump (ass)
vacuum pump does not function	clean membrane (ass), allow machine to warm up for app. 2 hours at room temperature to avoid condensed water
heating and vacuum pump do not start	foil reception not in contact (light click) under the heating
display: error E030	heating stops after 10 min. when rated temperature is not reached
display: error E035	detects the sensor a temperature of > 250 °C, the heating stops

# Erkoform-3

# Instructions

Please read before starting!

Erkoform-3, vacuum thermoforming unit with pre-vacuum and touchless temperature control (Patent No. EP 1 905 380)



Granules pot\*  
⌀ inside 97 mm  
height inside 40 mm



Model plate\* for very flat trimmed models.

\*supplied along



All machines are equipped with a latching for the model pot of the Occluform-3 accessory.

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## Security:

The operator of the machine is responsible for the compliance with regulations for accident prevention concerning technical security. The construction of the Erkoform-3 unit complies to legal standards (see declaration of conformity, machine documents).

### Attention! Security hints:

Do not touch heater - hot surface! Housing of the heater reaches a temperature of 70°C!  
**Only operate the machine under supervision.** Do not keep highly inflammable materials in direct area of the machine.

Usage as directed: The Erkoform-3 unit should only be used with suitable dental thermoforming material in diameter 120 mm and thickness of up to 5.5 mm for forming on suitable models. In case of non-observance, we cannot take any liability or guarantee for damages.

Cleaning and maintenance: The unit should be cleaned with a damp cloth. Do not use any solvents or other cleaning agents. If the unit is intensively used, the sealings should be exchanged once a year.



Foil reception sealing 188 011



Form pot sealing 188 017

## Installation instructions

The Erkoform-3 is connected to electricity independently of compressed air equipment. In order to avoid water getting into the appliance (for example water splashes), the appliance should be installed in dry and dust-free conditions.

## Putting into operation

Fit in the supplied plug in the rear socket of the machine. Plug in at the wall socket, the unit is operational. Unplug the machine when not in use.

## Sensor window

Please check if the sensor window is dusty or dirty. This leads to measuring mistakes. If necessary, dust off or clean with a damp cloth (no cleaning agents).



## Recommendation

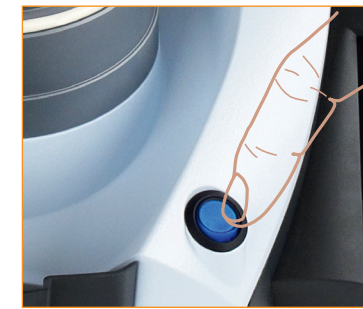
Use the machine only with granules (illustr.). To fill the granules, put the foil frame by the handle (cavity for good grip) upwards until you reach the highest possible position and then move it backwards towards outside until it stops. Smooth the granules, excessive granules will fall in the surrounding channel and can be swept with the brush in the granules collecting device. It should be ensured that there are no granules on the sealings.



## Thermoforming: Example Erkodur 1 mm

1. Switch on at the main switch.

The display shows 0000



2. Embed the model now or during the heating process in the granules.



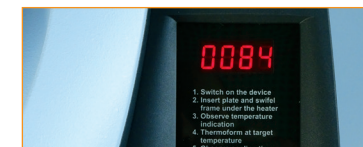
3. Take out foil securing ring, put in the foil and clamp with the foil securing ring.



4. Turn foil reception under the heating until it clicks in. **Only now** heating vacuum pump and temperature measuring starts.



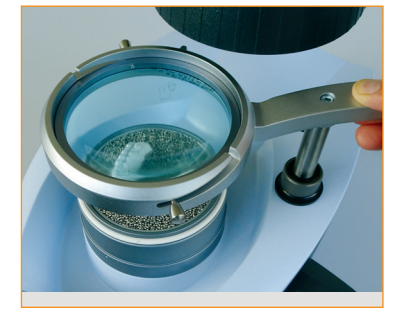
5. Observe foil temperature.



6. Thermoform when the rated temperature is reached ...



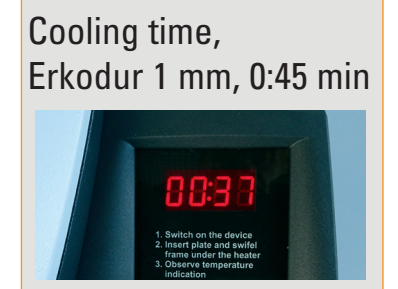
7. ... turn foil over the model and ...



8. ...completely slide down with the handle. (the heating stops, the displays shows the cooling time)



9. Await the cooling time that belongs to the foil (foil temperature list).



10. Now stop the unit at the main switch. (vacuum pump stops)



11. Take off foil with model.



The Erkoform-3 unit can be upgraded with the Occluform-3. How to operate the Occluform-3, please see the Occluform-3 instructions.

