

Erkoform-3

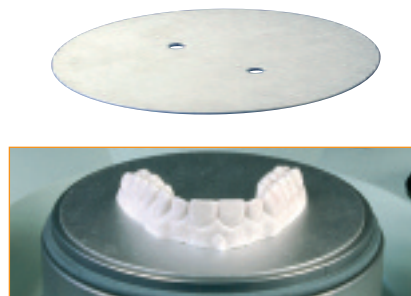
Instructions

Please read before starting!

Erkoform-3, vacuum thermoforming unit with touchless temperature control and pre-vacuum.



Granules pot*
∅ inside 97 mm
height inside 40 mm



Model plate* for very flat trimmed models.

*supplied along



All machines are ex works equipped with a centering plate for the supplementary available Occluform-3.



ERKODENT Erich Kopp GmbH • Siemensstraße 3 • 72285 Pfalzgrafenweiler • Germany
Tel.: +49 (0) 74 45 85 01-0 • Fax: +49 (0) 74 45 20 92 • www.erkodent.com • info@erkodent.com

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



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



3. Turn foil reception under the heating until it clicks in.



4. **Only now** start the main switch.



5. Observe foil temperature.



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



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



8. ...completely drop with the handle.



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

Cooling time,
Erkodur 1 mm, 0:45 min



10. Now stop the unit at the main switch.



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.



Delivery form Erkoform-3

1 Erkoform-3	188 300
with accessories as follows:	
1 foil securing ring	188 550
1 granules collecting device	188 570
1 centering plate (assembled) to later on install the Occluform-3 device (188 580)	188 095
1 model plate	188 507
1 granules pot	188 593
1 brush for granules, incl. magnet	188 510
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, ERKO-DENT program, guarantee card, declaration of conformity (if applicable).	

Order number:**Technical data:**

Measurement (mm): height, 315
width, 350, depth, 370
weight: 11.2 kg

Foil measures:
diameter, 120 mm
thickness, 0-6 mm

Electricity:
volts: 230/240/115/100
watt: 340 (incl. heater)
fuse: 2 x T-2A (230/240 V) or
2 x T-4A (100/115 V)

Heater technique:
medium-wave, round-pipe
infrared heater
volts, 230/240/115/100, watt, 280

Sensor: touchless infrared
temperature sensor

Vacuum technique:
with pre-vacuum (app. 1 litre),
vacuum, 0.6 bar, 1.8 l/min
noise level < 68 db(A)

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