

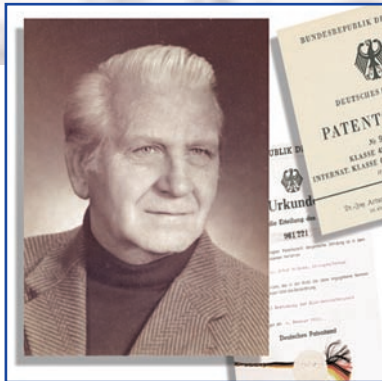
HORO Dr. Hofmann GmbH



heating and drying cabinet

customized solutions

laboratory devices



HORO Dr. Hofmann GmbH was founded in 1945 by Dr.-Ing. Artur Hofmann and Gerhard Roth in Esslingen / Neckar, near Stuttgart in Germany.

HORO became well known to customers in the heat and drying technology field based on the patents, the research and development and the customized solutions.

Science and industry have always trusted in the precision and the long durability of our products.

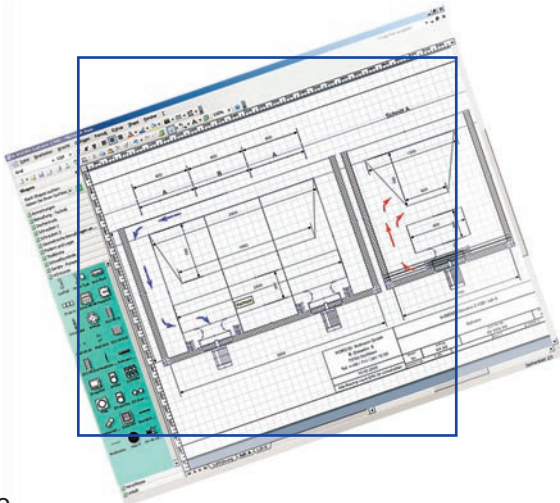


A major step into the future was the takeover by Dr.-Ing. Gerhard Bosch in 2004, combining long time experience with modern engineering. Motivated and experienced co-workers use their knowledge to the benefit of the customers.

From the initial idea, the concept of the plant and the integration of the customers needs, HORO is the partner you can trust. After delivery, the service continues for the whole product life-time.

Special design, EX-proofed applications and customized build-ins, interfaces for control systems, quality assurance etc.

We have a solution for you.
Take our word for it!



Laboratory heating and drying cabinets

According to DIN 12880 suitable for research and laboratory use, stainless steel interior, heating elements in closed stainless steel tubes, μ -processor based PID-control, direct accessible and adjustable temperature limiter, full protection of the product and of the environment, optionally with gas-tight working volume:

durable and solid quality!



Forced air circulation

Through the horizontal forced air circulation a very uniform temperature and humidity distribution is achieved in the working volume. If needed intake air is mixed with the circulated air at very high velocity and high turbulence level and carried over the heating elements, resulting in low loading and long life-time of the heating elements. This assures optimal treatment of the product and excellent economy of operation:

economy for the whole product life-time!



Precision control (V-version)

These heating and drying cabinets are equipped with two separate heating cycles, pre-heating and fine-heating cycle. Quick heat-up initially or after the charge change. Close to the set point the pre-heating is switched off and the fine-heating assures highest accuracy:

highest accuracy!



Industrial type (IG-version)

Strong, durable and for everyday use, even in a rough environment - sturdy working volume, made out of galvanized steel, optionally as a roll-in version, general use as a heating or drying cabinet, equipped with horizontal air circulation and very strong circulation motors:

strong and durable for a long life-time!



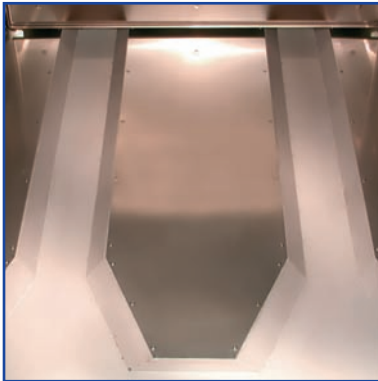
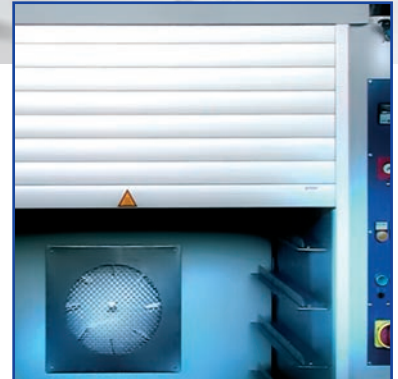


Customized solutions



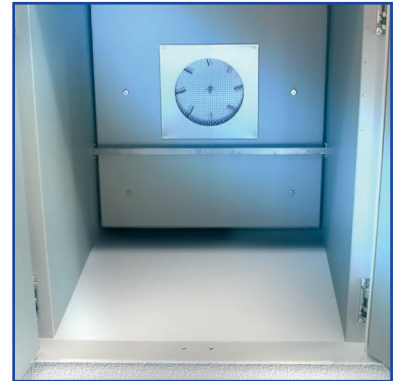
Customized geometry -
elongated in depth with heating
and ventilation in the side wall

with shutters instead of doors
for use in smallest space,
operated with pedal switch



roll-in version for temperatures up to 300°C
with rails and insulated base plate -
lowest energy loss,
often used as a pallet or barrel heater

roll-in version for temperatures up to 100°C
easily loaded with a rack trolley -
no lifting of the product required, with an
energy-saving sandwich-type base plate



drop board openings -
manual, pneumatic or hydraulic operation

through-switching cabinet with
front-loading und back-unloading,
with vertically sliding doors



interior and external surface
of stainless steel or other materials
according to customers requirements

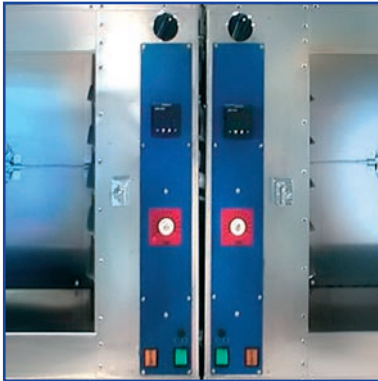
heating cabinet mounted on castors
for variable use





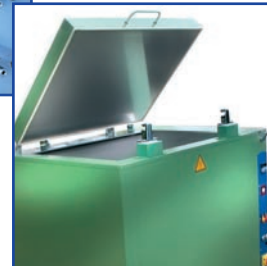
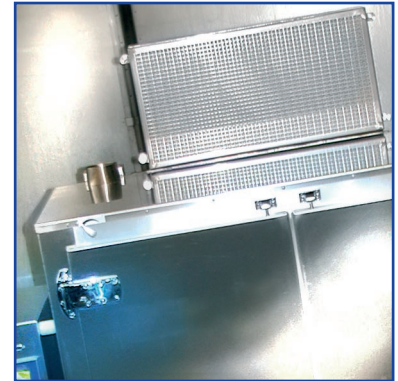
with rack trolley, optimized for the dimensions of the heating cabinet and your product

with large windows in the doors - for supervision of the product while processing



....symmetrical design

with air-intake filter - dust and dirt does not enter interior
or air-circulation filter - removal of the dust circulated inside



....and there are many other solutions!

Our products can be modified according to your needs.
Everything is possible. Use our knowledge, experience and flexibility.



Lacquer drying and EX-cabinets



Lacquer drying cabinets

complying with BGR 500 and EN 1539:
dangerous accumulation of explosive
mixtures is avoided by strong ventilation,
even at higher drying temperatures

- individual dimensioning and computation of the customers loading
- supervision by additional warning instrumentation
- high level of safety



EX-proofed working volume

according to EN 1539 all components in the
working volume are EX-protected

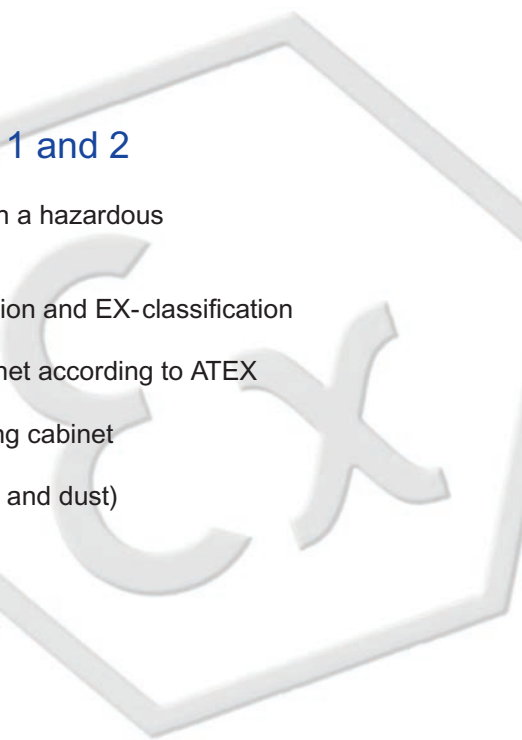
- safest components
- highest level of safety
- individual design



Suitable for operation in EX-zone 1 and 2

the heating and drying cabinets are operated in a hazardous
environment according to ATEX 94 / 9 / EC

- all components inside the zone in safe operation and EX-classification
- special design of the heating and drying cabinet according to ATEX
- conformity assessment of the heating or drying cabinet
- suitable for zone 1, 2, 21 and 22 (vapour, gas and dust)
- safety according to EX in the design





U^{ultra}-dry^{drying cabinet}

Working principle

Air or inert gas with a very low humidity - as little as 1% - enters the working volume and picks up all the humidity of the product. To speed up the diffusion of humidity inside the product additional heating is available.

This way even at room temperature very sensitive parts are dried in the shortest time, restoring the shop-life-time!



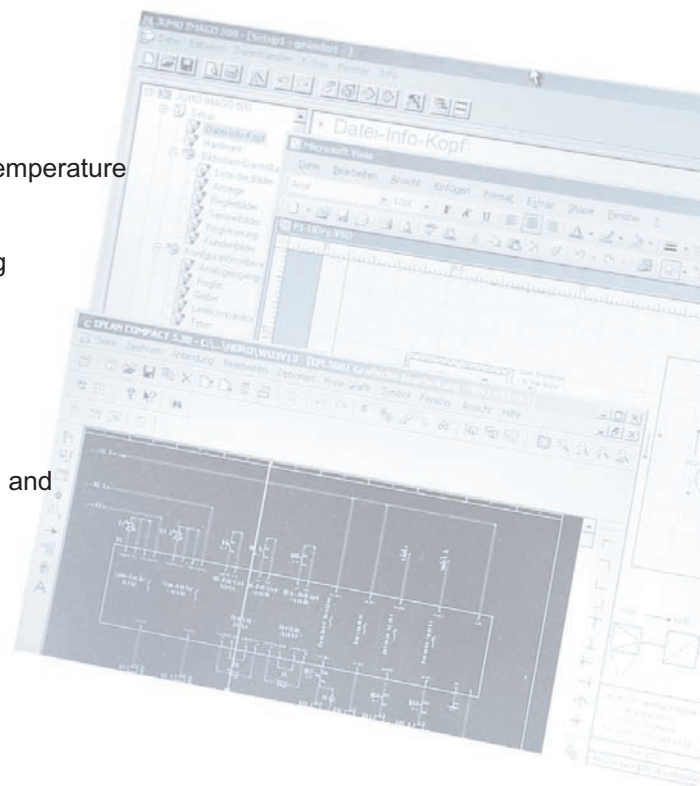
The dry air generator, as stand-by or integrated in the drying cabinet works in an alternating way: one adsorber dries the circulated gas, while the other adsorber is regenerated.

So a continuous operation is possible!



Optional equipment

- intake cooler: lowest drying temperature for the product
- recoler: for the fastest drying of the product
- air or water cooling
- heating of the drying cabinet
- sophisticated instrumentation and quality assurance
- operation with inert gas





experience competence flexibility

Detailed brochures and data sheets are available for all our products.



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