

VACUUM DRYING CABINET

Vacuum drying cabinets are the most used drying systems for batch drying worldwide. Dimension and design of the vacuum drying cabinet can be customizable.

Our plants are also available as ATEX version.

ONE DRYER - many possibilities

- contact drying
- radiation drying
- microwave drying

BENEFITS

- reduced drying time
- individual use
- cost-efficient purchase

DRYING TRIALS

OUR TECHNICAL CENTER FOR YOUR TRIALS

In our technical center we offer test drying of your product. We determine and document the essential parameters for a successful drying - temperature, pressure, time, moisture and evaporation rate.

DRYING EXAMPLES

Many products can be dried efficiently and gently with our drying processes.

- malt
- baking mixes
- meat extracts
- plant extracts
- fruit concentrates and fruit pulps
- vegetable concentrates
- fruit and vegetable pieces
- aroma
- baby food
- chemical products
- pharmaceutical products
- and many more

CONTACT

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hegatec
ENGINEERING



Your specialist
in vacuum drying
from Germany

PLANT CONSTRUCTION

PROCESS ENGINEERING

MECHATRONICS

AUTOMATION



ABOUT US

We are developer and manufacturer of vacuum drying plants for the food industry, pharmaceutical and chemical industry. We adjust ourselves on project-related customer needs and react quickly and professionally. In addition to the production of complete plants we also focus on technical support, optimization and upgrading of vacuum drying plants.

Why hegatec Engineering?

The competitive production of goods is based on qualified personnel and especially on a high level of technology. The performance of your equipment determines the success of your business. That's why you need a partner who can meet the complex demands of your industry and provides competent and reliable assistance.

Successful together

Choosing *hegatec* means effective project management, optimal scheduling, proven product integration and a network of reliable suppliers. We believe in a fair and reliable partnership with our customers and we guarantee the necessary planning and financing security for joint projects.

ENGINEERING

- planning and process engineering of vacuum drying plants
- design of individual components and overall assemblies
- preparation of Piping and Instrumentation Diagrams (P&ID)
- development of drying processes and energy optimization
- scale-up of pilot plants to industrial scale

RETROFIT

- modernization, modification and optimizing of existing plants
- replacement of modules for which no spare parts are available
- retrofitting of automation technology for example programmable logic controllers

CONSULTANCY

- energy assessment
- vacuum leak test
- process optimization

INSTALLATION & START-UP

- commissioning of complete systems
- installation of spare parts
- hands-on training of the operating personnel

MAINTENANCE & REPAIR

- inspection service
- define and resolve problems
- spare parts

VACUUM DRYING

The energy-saving drying plants from *hegatec Engineering* enable a gentle, fast and reliable drying of food and pharmaceutical products.

The benefit of vacuum drying is that water can be evaporated by low temperature because of the reduction of the boiling point.

vapor pressure

1000 mbar	→	99,63°C
100 mbar	→	45,83°C
50 mbar	→	32,90°C
20 mbar	→	17,71°C
6 mbar	→	-0,22°C
1 mbar	→	-20,36°C

DRYERS

- vacuum belt dryer
- vacuum drying cabinets
- microwave vacuum dryer
- vacuum evaporator
- falling film evaporator

DRYING PROCESS

- vacuum drying
- freeze drying

