FAST AND RELIABLE DRYING.

ENERGY-SAVING DRYING SYSTEMS FOR YOUR PRODUCTS.
MORE QUALITY, MORE RELIABILITY.

Drying at low temperatures
- fast
- gentle
- stain-free
> High efficiency through the use of heat pump technology for air dehumidification
> High quality drying results in short times

> Energy and cost saving through perfect combination of air conditioning and air routing
> Drying in a closed system; there is no interchange with ambient air and, thus, no dependence from the climate.
> Temperature variable between 20 °C and 90 °C
> Throughput of installed systems may often be raised to meet production requirements

TRIAL DRYING FOR BEST RESULTS.

HARTER has an in-house pilot plant station which offers a unique opportunity to test the drying response of your product. Series of tests are run to determine the relevant drying parameters, such as temperature, time, humidity, air speed and airflow. You are welcome to witness these tests and to see how efficient our condensation drying system is. Do not hesitate to contact us!

Experience drying technology LIVE in the HARTER trial station
HARTER AIRGENEX® - THE PROCESS.

HARTER’s energy-saving drying systems can dry any product in a fast and reliable way.

1. Airgenex® dehumidification module / drier interface - Humid air is extracted from the drying chamber and passed to the dehumidification module.
2. The precooler is the 1st stage to cool the air for further processing. This largely reduces the power consumption of the compressor.
3. The moisture precipitates on the air cooler fins, and the condensate water leaves the system through the condensate collector and the condensate drain.
4. The cooled, dehumidified air is preheated, with no external energy input, by the preheater.
5. The air heater raises the air temperature to the required process temperature.
6. The process air fan provides the required air circulation between the Airgenex® dehumidification module and the drying chamber.

7. The dried, unsaturated air is now returned to the drying chamber. The loop is thus closed.
We design bespoke drying systems for the specific requirements of your product and for perfect integration into your process. Our designs reflect all our know-how and many years of experience with drying systems. You will obtain an all-inclusive solution of the required size.

**SUITABLE FOR ANY PROCESS**

Our heat pump based condensation drying is a flexible system. It may be used both in continuous and batch drying processes.

Special automated **cover systems** prevent valuable heat from escaping the system.

We use **non-compressed air blowing** for special applications, as a preliminary stage to drying proper.

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**Rack Drying**

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**Bulk Material Drying**

**Continuous Drying**

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**Other Drying Systems**
DRYING EXAMPLES.

Our drying systems are capable of drying - efficiently and reliably - an extremely large variety of products.

01 Tognum-MTU
02 Bitzer Kühlmaschinenbau
03 CeramTec
04 Tigra
05 Biral Pumpen
06 Magna
07 IMO Antriebseinheit GmbH & Co. KG
08 Mubea Präzisionsstahlirohr AG
09 Carl Zeiss Vision
10 Silhouette
11 Voestpine – Finsterwalde
12 Hertfelder Lackierwerk GmbH
13 pryem fashion
14 Inge water technologies
15 CERATIZIT Austria GmbH
16 Geobra-Playmobilm
17 BIA Kunststoff- und Galvanotechnik GmbH & Co. KG
18 Bomag
19 Tyrolia
20 Wertachtal-Werkstätten GmbH
THE ART OF DRYING.

BY PERFECTLY COMBINING AIR DEHUMIDIFICATION AND AIR ROUTEING WE DIRECT OUR DRY AIR EXACTLY TO YOUR PRODUCT TO DRY IT IN A FAST AND RELIABLE WAY.

We are prepared to put our ability to the test. Do not hesitate to contact us.