

## COMPRESSED AIR-FREE BLOW-OFF TECHNOLOGY AS A PRECURSOR TO THE AIRGENEX® DRYING SYSTEM

In special cases—such as components with particularly complex geometries like blind holes, undercuts, perforations, etc., or high water loads—we offer, as a precursor to the actual drying process, an optional compressed air-free blow-off.

For this purpose, we utilize blow-off nozzles specifically designed for this application.

Compressed air-free means:

- Use of a powerful fan with high efficiency
- Air volumes are not distributed selectively, but over the entire length of the blow-off bar
- Lower energy input compared to the compressor, resulting in significantly reduced operating costs.

## BLOW OFF DIRECTLY IN THE RACK DRYER FOR SCOOPING COMPONENTS

As soon as the product carrier is positioned above the rack dryer, its cover opens and the blow-off technology switches on. When the product carrier is retracted, it is blown off and the coarse water load

is removed. When the product carrier is completely lowered into the dryer, the blow-off system switches off. The automatic lid system closes and the actual drying process begins.



*The inclination angle of the blow-off bar is manually adjustable to blow off the components on the carrier optimally.*

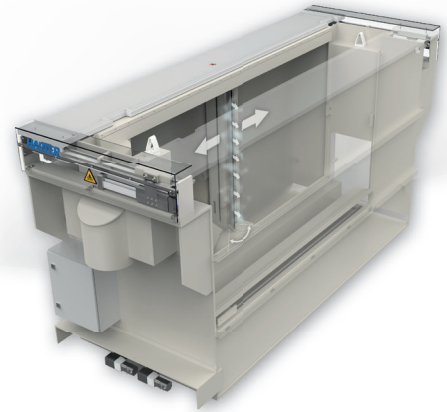


*Fixed horizontal blow-off bars inside the dryer below the lid.*

## BLOW-OFF AS A SEPARATE STATION FOR HIGHLY SCOOPING COMPONENTS

The blow-off station is equipped with movable blow-off bars. During the blow-off process, most of the water is removed from the product carrier or components. The blow-off station can alternatively be realised with alternatively be realised with external or integrated fans.

Whether the movable blow-off bars are mounted horizontally or vertically in the station depends on the components and their suspension.



*Separate blow-off station, upstream of the dryer, with dwell time within the cycle time.*

## BLOW OFF DIRECTLY OVER THE SINK

In addition to the blow-off systems and subsequent drying, there is also the option to blow off directly over a sink. Here, the blow-off bars

are installed laterally on the sink. The carrier is blown off when it is removed from the sink.

## OTHER APPLICATIONS AND SPECIAL SOLUTIONS

This type of blow-off can be implemented for both batch processes and continuous processes. The blow-off technology can be integrated into the dryer



for this purpose. Additionally, we are always happy to design custom solutions tailored to your products, processes, and future plans. Get in touch with us!

## TRIALS IN THE TEST CENTRE

In our in-house test centre for conducting drying trials, the relevant parameters for successful drying are determined. During the trial phase, it becomes apparent whether additional blow-off

before drying is necessary. Further tests provide insights into the type of blow-off that is optimal for the specific case.