

AIRGENEX[®] Drying Systems, supported by Air-Blade technology

We offer optional non-compressed air blowoff before the drying process proper for particular applications - where components have very complex geometries including bottom holes, undercuts, perforations etc. and large quantities of water are entrained.

Water is blown off using nozzles purpose-devised by Harter.

Non-compressed signifies:

- Use of a powerful high-efficiency blower
- Air is applied evenly over the full length of the air knife rather than locally
- Low energy input, compared with a compressor, resulting in much lower cost of operation

Inline Rack Dryer Air-Blade for parts that can retain liquids based on their form

Once the product support is positioned above the rack dryer, the dryer lid opens and the blowoff system starts blowing. Upon entering the dryer the product support is subjected to the stream of air which removes the bulk of the water entrained. Once the product support has reached its bottom position the blowoff system stops blowing. The automatic lid system closes and the drying process proper commences.

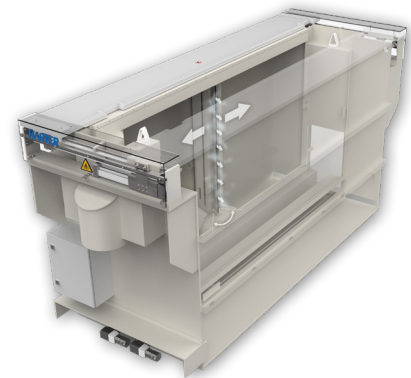


Stationary horizontal air knives integrated in the dryer below the lid. The air knife angle of inclination may be shifted manually to ensure optimum water removal from the products on their support.

Independent Air-Blade Station for components liable to heavy water entrapment

The Air-Blade Station features movable air knives. The bulk of the water entrained is removed from the support and the products in the blowing-off process. The blowers of the station may be external or, alternatively, integrated type.

The movable air knives may be positioned horizontally or vertically as required by the products or their support.



Separate Air-Blade Station upstream of the dryer with a product dwell time within the cycle time

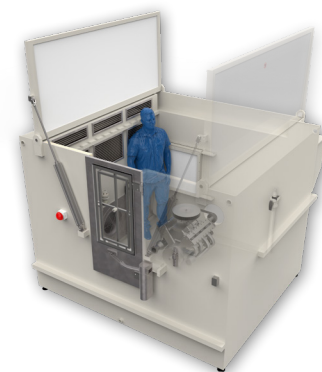
Above-rinse Blowoff

In addition to the blowoff systems and subsequent drying, it is also possible to blow off directly above a sink. In this case, the blowoff

strips are installed on the side of the sink. The product carrier is blown off when it is moved out of the sink.

Other Applications and Special Solutions

This type of blowoff may also be used in other batch or in continuous operations. The blowoff provision is integrated in the dryer as required. We are also happy to design customized solutions for your products, your processes or to meet your plans for the future, if any. Just tell us your needs!



Tests in the Pilot Plant Station

Harter has an in-house pilot plant station to conduct drying tests to determine the parameters relevant for successful drying. During the test phase, it becomes apparent whether

additional blow-off is required before drying. Further tests provide information on the type of blowoff that is optimal for the respective case.