

Werkstoffe

in der Fertigung seit 58 Jahren

DIE FERTIGUNGSWELT VON MORGEN



HARTER
drying solutions

DO YOU WANT TO DRY QUICKLY AND SAFELY? DO
YOU ALSO WANT TO SAVE 75 % ENERGY?

The Art of Drying

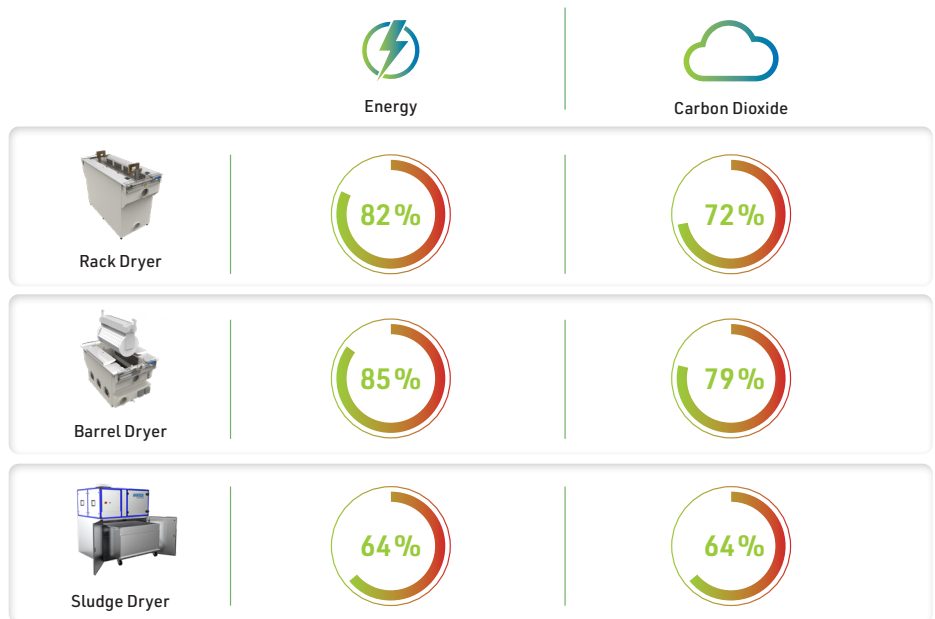
The drying stage may be the bottleneck of the whole production process - an experience that many operators sadly share. To overcome this challenge is the mission the innovation minded team based at Stiefenhofen, Germany, made themselves. Harter developed and marketed an alternative technology for this purpose more than 30 years ago, and has since continued to refine it.

Their heat pump based condensation drying method was ahead of that time because it was inherently energy and carbon saving. What used to be a nice-to-have earlier has become a major aspect when considering investment in new assets today. Those who rid themselves of their conventional dryers and choose state-of-the-art drying technology instead may be certain to economise. Plus, customers may enjoy government support because Harter dryers have become eligible for grants in Germany, Austria, and Switzerland since 2017.

Economising in energy, carbon emission, and cost of operation, however, is not all that counts. The quality of drying continues to be paramount, of course. The issue normally is to render components perfectly and reliably dry. Feasibility is often pivotal or, in other words, conventional technology fails to dry products at all. So, Harter's method of drying has resolved hundreds of challenges. Short cycle time requirements failed to be met or staining of decorative surfaces are other frequent reasons for contacting the drying specialist.

Low process temperatures of between 40 °C and 75 °C ensure the integrity of the articles to be dried, and, where bulk material is concerned, the integrity of the temperature sensitive barrels or plastic baskets as well. All Harter dryers feature a closed air circuit. They do not exhaust any air and are, thus, not affected by seasonal effects. Moist air in summer, rainy autumn weather or biting cold in winter - absolute process reliability is always ensured. Also, production areas and workers are not affected by any thermal impact. Harter drying systems may be used for batch or continuous processes. Bulk material in barrels or

Energy and Carbon Emission Saved by Using Harter Technology



baskets may be dried in its respective containers, either fully static or with minimal intermittent movement. Racked components with extremely complex geometries are subjected to prior non-compressed air blasting to remove the better part of the water entrapped.

The technology is also used to dry pre-dewatered industrial waste sludge for weight and volume reduction. Harter designs and builds standard and special systems for sludge drying. Dust-free filling in big bags is part of the portfolio of the innovation minded drying system manufacturer. Sludge drying may cut transport and disposal cost by as much as 60 percent, and customers may also enjoy government subsidy.

Harter is an owner-managed company with a workforce of 95 today. Sales, administrative offices, and all production shops are accommodated in three halls with an area of 3,000 square metres. This includes a pilot plant station for drying tests and development, the design department, and

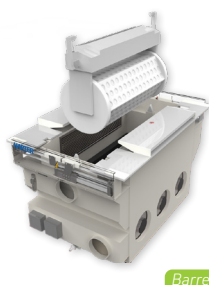
the shops for refrigeration systems, plastic and metal processing, control systems and air-conditioning systems. An after-sales service complements the organisation. Harter's success story, like so many others, started in the garage of company founder Roland Harter. Today, owner Reinhold Specht and Director Regina Mader control the company's destiny.

The company philosophy encompasses a "made in Germany" policy, the vocational training of motivated young people for all jobs, continued training and promotion of all employees, and the preservation of local structures in their region. Another cornerstone for Harter's business to thrive is long-time relations with suppliers and business partners. So, Harter is firmly grounded in their home region, in terms of personnel employed and technology used, and has the ideas and visions to guide their way towards a secure future.

harter-gmbh.de



Rack Dryer



Barrel Dryer



Paint Dryer



Sludge Dryer