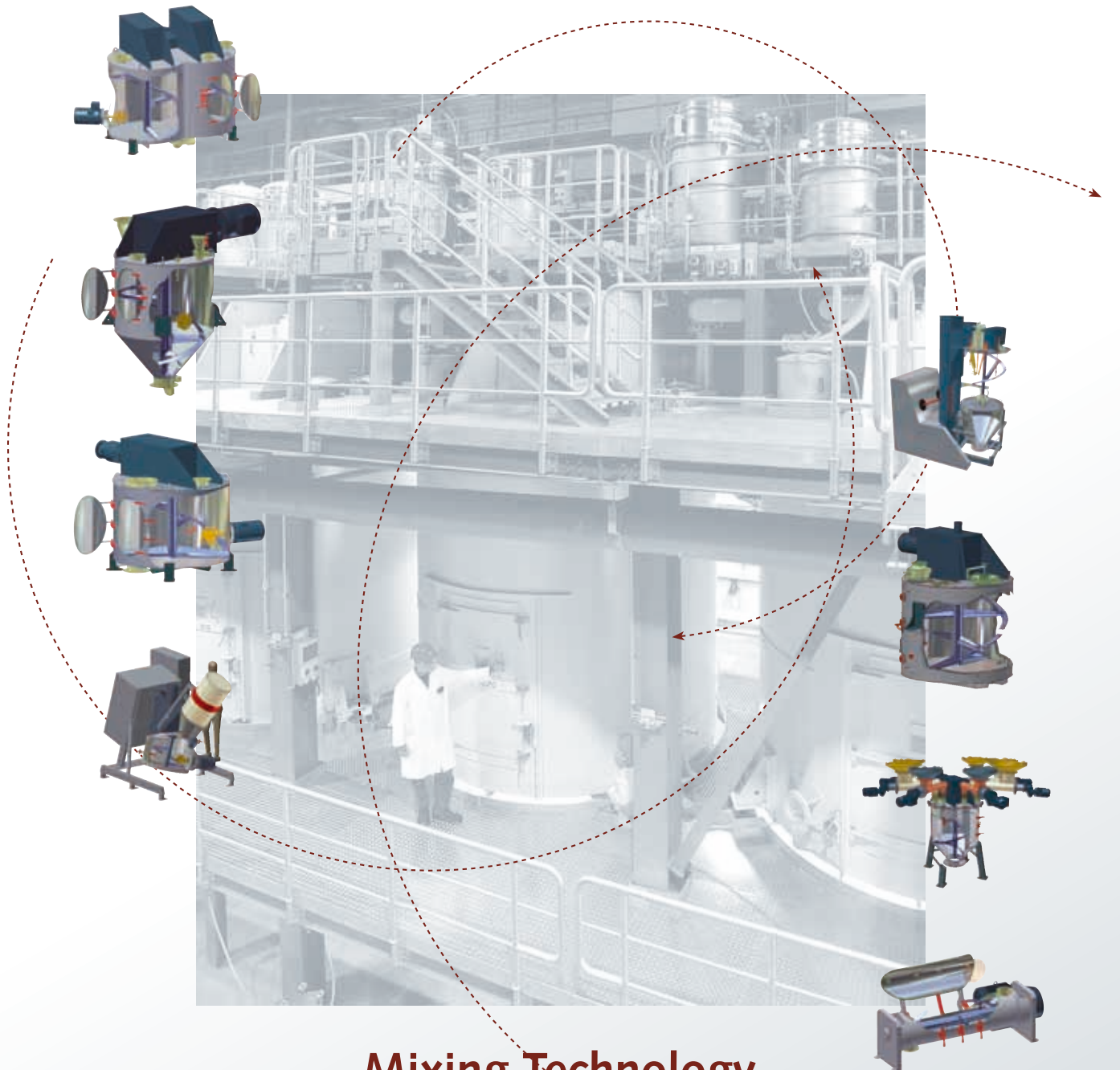




Mixing Technology

Mixing, drying, granulating,
sterile mixing,
solid – liquid – gaseous reactions

The amixon® evolution

amixon® produces a wide range of processing equipment including mixers, mixer-dryers, agglomerators and reactors.

Nineteen patents with a variety of expertise

amixon® produces state-of-the-art processing equipment and mixers, and is a leader in the manufacturing of hygienic equipment.

Clever-Cut® GmbH, a division of amixon®, specializes in the precision cutting of steel using a high pressure water jet cutter. Using this method, Clever Cut® has the capability to cut three dimensional components up to 10' x 10' x 20' within an accuracy of 0.004 inches.

The amixon® brand was created in 2003 and was followed by the formation of two corporate identities: amixon GmbH in Paderborn, Germany and amixon Inc. in Memphis, Tennessee. These two companies combine to present both the amixon® brand and the amixon® processing equipment on a global scale.

The companies Ruberg-Mischtechnik® (created 1983), Clever-Cut® and amixon® are located in the industrial area of Paderborn and are owned by their founder, Diplom-Ingenieur Stefan Ruberg.



Reactor vessel cut by Clever-Cut®,
Max-Planck-Institut für Plasmaphysik

Quality assurance through training and education.

Developing high-quality products requires a high level of knowledge and understanding. At amixon®, the training and education of new and existing staff is a top priority. To meet the ever-changing demands and regulations within the industry, it is imperative to keep our entire staff – from welding specialists and engineers to technicians and sales managers – informed of the latest technological advances.



Denmark



Great Britain



Benelux



Germany



France



Switzerland



Italy



Canada



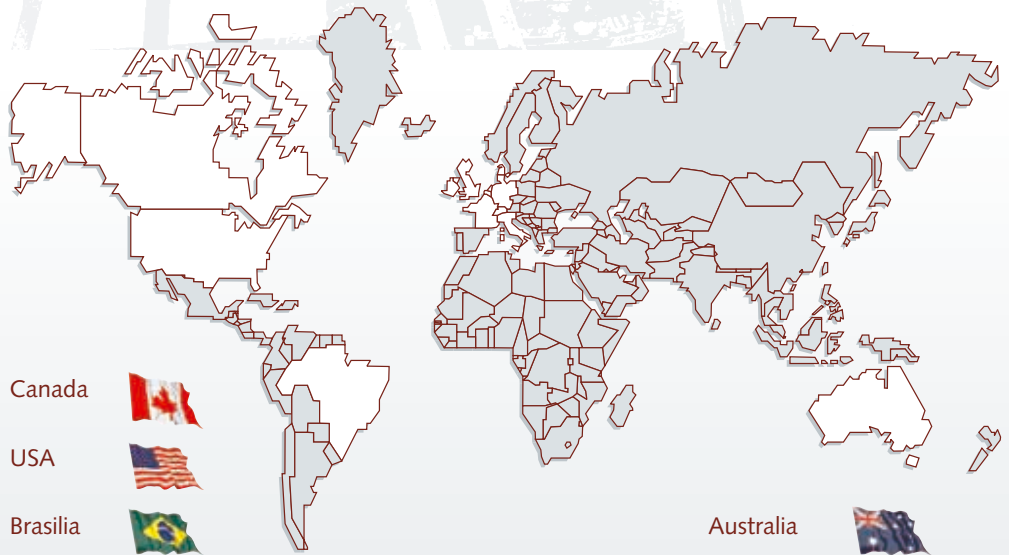
USA



Brasilia



Australia



In need of technical assistance?

amixon® technicians can validate Clean-in-Place operations or Sterilize-in-Place procedures. We can also test qualifications of pharmaceutical production facilities and provide the necessary documentation of results in accordance with Good Manufacturing Practices (GMP) standards as they pertain to design qualifications, installation qualifications or operational qualifications.

amixon® works with you to resolve these tasks quickly and efficiently so that you can concentrate on your customers.

Hastelloy reactor used for pharmaceutical active substances



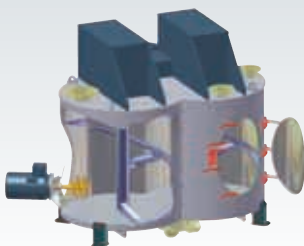
Sterile mixing plant for deep frozen bacterial cultures



Pioneering Through Partnership

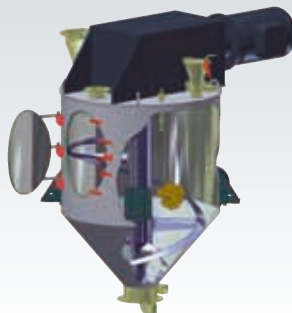
At amixon®, we consider ourselves to be at the forefront of our industry when it comes to developing new and better technologies and products. That being the case, we are very open to assisting you in developing the best processes for your new products. We invite you to test your new products in either of our state-of-the-art laboratories in Paderborn, Germany or Memphis, Tennessee. At these facilities, we can test your products and evaluate the results to recommend the best solution for your specific application.

Our standard mixers for Food, Vital, Chem and Metal-Ceramic



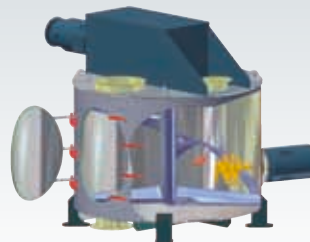
Model HM

Vertical twin-shaft mixer
10-50.000 l (Model HM 8000)



Model AM

Conical mixer
10-50.000 l



Model VM

Vertical single-shaft mixer
10-50.000 l (Model VM 10.000)



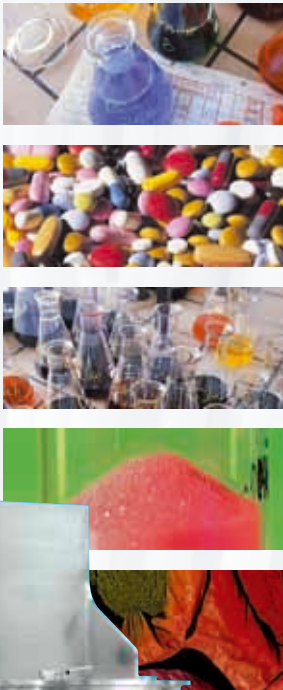
Model EM

Single-shaft mixer
Operating with standard drums

Dual advantage: Mixing Expertise and Industry Experience

As mentioned earlier, mixing techniques and processes may appear similar in many ways, but in reality they differ according to industry demands. At amixon®, we evaluate the individual features and requirements of your process according to your specific industry's standards. By doing this, we have achieved a great deal of expertise and experience in working in many different industries including:

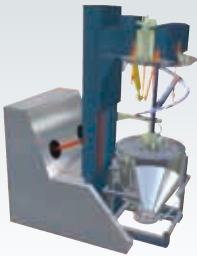
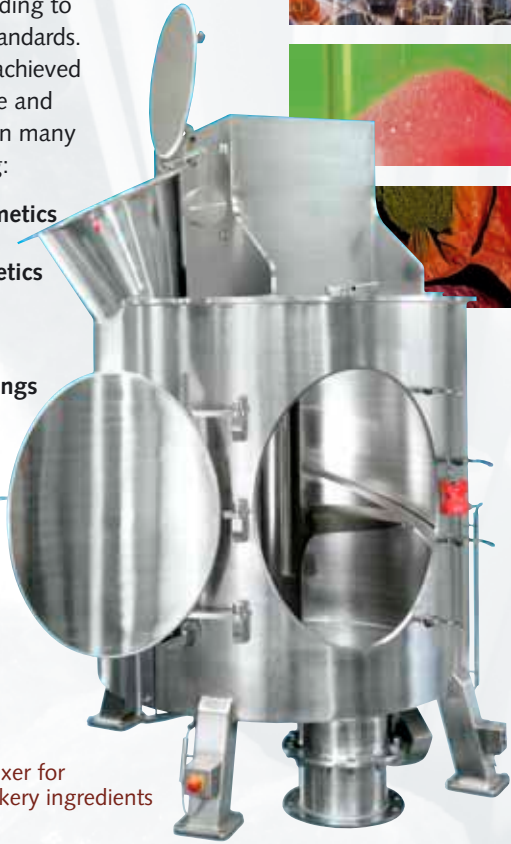
- Pharmaceuticals / Cosmetics
- Food / Nutrition / Dietetics
- Fine Chemicals
- Plastics / Powder Coatings
- Fine Ceramics / Powder Metallurgy



Container mixer equipped with 2.000 l mixtainer®



Mixer for bakery ingredients



Model COM

Container mixer
50-4.000 l (Model COM 2000)



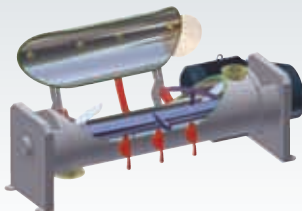
Model VMT

Mixing-reactor /
Vacuum mixing-dryer
10-40.000 l



Model KM

Continuous mixer
vertical designed
0,1 bis 400 m³/h



Model RM / RMG

Ring-layer mix-pelletizer
Continuous mixer
0,1 bis 200 m³/h

Supervised installation and service after the sale

The amixon® team of knowledgeable and professional field technicians can assist you in all aspects of the installation and service of your equipment. Whether you need basic installation supervision or complete turnkey installation, our technicians can provide you with the level of expertise needed to complete the job. But, the service doesn't stop there. After the installation is complete, our technicians will conduct a safety check

of the equipment and can also train your staff.

amixon® technicians can service, repair and overhaul your amixon® equipment anywhere in the world. Furthermore, in the event of an emergency, our technicians can usually be on-site anywhere in the world within 24 to 36 hours.

All mixers are not created equal

Different mixing processes require different mix techniques. There are some mixers which use rapidly rotating mix tools, while others will use a slower rotating tool. amixon® equipment is designed with product integrity in mind and, as such, utilizes a slowly rotating spiral mix tool to generate a full-flow process with no dead zones. If the process necessitates crushing or deagglomeration, a high speed mix tool can be integrated into the mix area.

Results that matter

Our primary goal is to design a solution that is tailored to meet your specific needs and give you the results you desire. That's why amixon® goes the extra mile when it comes to testing, analysis and engineering. amixon® meets or exceeds all industry standards and regulations, and our welding specialists are fully qualified to work with most special materials. At amixon®, we believe that training, education and experience ensure the highest quality and the best results for you.

Mixer dryer reactor made from Alloy59 used for test trials in the laboratory



Manufacturing of a reactor vapour filter



Partnership with depth

amixon® can immediately react to your wishes. We can quickly visualise in three dimensions the installation site of your new mixer within your facility. In the same way we can spatially acquire and document the interfaces of the mixer with your existing plant components.

Within a few working days you will receive three dimensionally-prepared dimensional drawings as well as sectional views, front views, side and plan views on paper and electronically.

In this way we will help you to establish your plant layout quickly and reliably. On top of this the generated documents will serve as blocks for your internal plant documentation.

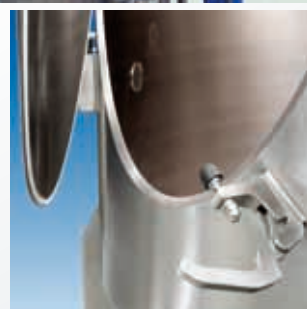
In this way amixon® provides a valuable contribution to the success of your investment:

- Safe "upscaling" on the basis of pilot plant
- Fast reliable planning of the work within your operation
- Fast installation, commissioning and validation
- Manufacturing safety immediately after validation

amixon® appliances have a long service life, some have been in operation for more than 25 years. Your product requirements can quickly change. If required we will help you to find new operating parameters or with the upgrading of your amixon® appliance. You can rely on our process team.



Mixer dryer reactor
used for 14 m³ batches



Hygienic designed inspection door of a mixing chamber "clever-cut® designed" O-ring sealed, closed by "Kwick-Klamps"



We look forward to your mixing tasks.

amixon GmbH

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