

THE BEAUTY OF
PRECISION

 **Hauschild**
SpeedMixer®

**Over 50 Years of
Bubble-Free Mixing**



2025 PRODUCT PORTFOLIO

Mixing. De-Airing. Dispersing. Milling. Vacuum Degassing.

NextGen: SMART Mixing.

[Hauschild-SpeedMixer.UK](https://www.hauschild-speedmixer.uk)

HAUSCHILD ENGINEERING

50 years dedicated to developing & producing Hauschild SpeedMixer®

Since 1974 Hauschild GmbH & Co. KG (Hauschild Engineering) has been providing innovative mixing machines worldwide for a wide range of applications. Hauschild SpeedMixer® is the most widely used equipment in laboratories around the world when mixing is a critical part

of the R&D process. In just a few minutes, the Hauschild SpeedMixer® can be used to obtain air bubble-free multi-material compounds, such as liquids, high-viscosity pastes and powders.

DAC TECHNOLOGY

German Precision Engineering

Through continuous improvements made over 50 years, the Hauschild SpeedMixer® has become the most reliable mixing solution available today. The mixing of materials is based on the Dual Asymmetric Centrifuge (DAC) principle: the container where the material is placed rotates clockwise around a main axis and counter-clockwise around the basket's axis. The combination of forces generated by these opposite rotations allows for very quick and homogeneous bladeless mixing. The precision in the construction of every unit provides perfect equilibrium that allows for safe and very low-noise operation. Thanks to its optimised mechanical configuration, any Hauschild

SpeedMixer® enables almost 100% de-airing while mixing, obtaining air-bubble free mixtures, and therefore sparing any additional degassing cycle. For complete, true degassing, machines operating under vacuum are also available. Programmable cycles ensure an identical mixture from batch to batch creating an opportunity to accelerate the development process. Mixing in a sealed container reduces the chemical load to a minimum. The Hauschild SpeedMixer® is a bladeless mixer that works with disposable cups reducing to zero the necessity of using chemicals for cleaning of the equipment.

PRODUCT RANGE

The Hauschild SpeedMixer® product line can be divided in three major groups, depending on the maximum nominal gross weight a machine can mix: small, medium, and large machines. Small and medium equipment are generally better suited for laboratory work using straight sided containers, large equipment can also be utilised in production settings where batches are produced in much larger tapered pails.



50Years@Hauschild-SpeedMixer.UK

SPECIAL FEATURES

We mix it better

Volume is an important parameter when mixing and that is why Hauschild offers the largest volumes available in the market. For low specific gravity materials, Hauschild offers H.V (high volume) instruments. Our preferred L.R (long radius arm) option provides additional mixing power for a more efficient and cleaner process solution.



ROBOTIC SOLUTIONS

Optimise your workflow

Hauschild SpeedMixer® manufacture Robotic versions. Our Robotic products are used in small and large *automated* systems developed in collaboration with world recognised system integrators. The first Robotic mixer with Vacuum degassing we introduced in 2024, our 50th anniversary year.

CUSTOMIZATION

Up to every challenge

We fully appreciate that every application is different and each one of our customers face individual mixing challenges. For this reason, we have developed hundreds of different customised solutions based on the Hauschild SpeedMixer® technology. The more we understand your application, the better we can serve your needs.



#MixingWithTheBest 1974-2025

THE NEXT GENERATION IS HERE: THE SMART DAC HAUSCHILD SPEEDMIXER®

INTELLIGENCE & POWER BLEND TOGETHER PERFECTLY IN OUR MOST ADVANCED DAC MIXER



What does SMART DAC mean to us?

Speed -

new motors with more power for faster rotation and higher G forces.
Twin-motors configuration for variable counter rotation.

Mechanical Art -

more stable mechanical configuration for zero vibrations at very low mixing speed.

Automation-

IoT compatible, QR-Code reader, programmable cycles, sensors integration.

Robotic -

easy integration in robotic system, servo motor, and the new and unique vacuum robotic version.

Temperature control -

by combining temperature reading with an automatic cooling system.

LARGER CAPACITY AND HIGHER MIXING WEIGHT

We have increased the capacity, offering more choices for your specific application. The SMART DAC series allows mixing from 250 g up to 2 kg.

All SMART DAC are available with mixing volume from 310 ml up to 3.8 liters.
Choose the mixing basket volume that better suits your material.



#MixingWithTheBest 1974-2025



REVOLUTIONARY FEATURES



SENSOR INTEGRATION
(humidity, gas detection,
fire & smoke,...)



**REAL-TIME
MATERIAL
TEMPERATURE
CONTROL**



**QR CODE
READER**



**INTERNET OF
THINGS**



**AUTOMATIC AND
PROGRAMMABLE
COOLING SYSTEM**

- ⌚ Variable Counter Rotation
- ⌚ Up to 500 programs with multiprogram function
- ⌚ Up to 36 steps with acceleration & deceleration programmable for each step
- ⌚ Up to 30 minutes mixing time
- ⌚ LED Strobe light

The Hauschild team will support you configuring the SMART DAC according to your requirements. Highly sophisticated. Very easy to use. It will enhance your daily lab work significantly.

R.O.I

Time saving, almost maintenance free, robust, reliable, long lasting. These are the reasons why the Hauschild SpeedMixer® SMART DAC represents a fast Return On Investment.

Made In Germany

Hauschild Engineering invented, develops and handcrafts its dual asymmetric centrifuges in Germany *now for* five decades. We devoted three years to offer our customers a unique *new* device that is becoming the new gold standard in the laboratories' world.

We Create Standards

More than 900 patents have been developed using the Hauschild SpeedMixer® devices. The SMART DAC will facilitate the development of new processes and protocols even more.

50Years@Hauschild-SpeedMixer.UK

MATERIAL TYPES

You name it, we mix it

The Hauschild SpeedMixer® can be used to mix different fluids and pastes, pastes with powders, powders with powders and other fluids/ powders combinations. Materials with different chemical and physical properties can be mixed, dispersed or milled. You chose! Resins, inks, paints, silicones, oils, gels, emulsions, creams, epoxies, powders, urethanes, ... the list is endless. The Hauschild SpeedMixer® is well suited to mix one, two or multi-component liquids and pastes.



INDUSTRIES

We serve them all

The Hauschild SpeedMixer® is used in every industry and field where mixing is an essential part of the development or production process. Some of the most common applications and industries are: preparation of materials for 3D printing; mixing of adhesives and sealants; mixing of materials for the aerospace and defence industry including explosive materials (for these applications machines are manufactured with a remote control unit); mixing of materials used in electrical batteries such as slurry or pastes, gels, epoxies and other resins used in electronics manufacturing; solvent purging and blending of cannabinoids in the cannabis industry; mixing in the pharmaceutical industry where repeatability and precision of results are key to a solid development process; mixing of base materials for the ink industry; mixing of several materials in the cosmetics industry to produce creams, lotions, lipsticks and other products.





PP MIX CUPS + PAILS



Numerous options

Depending on the mixing weight and fill volume, different PP Mix Cups or pails are available for your Hauschild SpeedMixer®. The most popular are made of polypropylene (PP) due to their high resistance to the temperature and low chemical reactivity. Dimensions of the cups and pails go from 6ml up to 16l of nominal capacity. Hauschild offers PP Mix Cups in several colorways, transparent; plus white and black which are opaque and suitable for photosensitive materials. Aluminium and non-disposable cups from non plastic materials such as stainless steel and titanium are available in several sizes for specific applications.



HOLDERS AND ADAPTERS



Standard and customised

To help customers obtain the best results with their Hauschild SpeedMixer®, we continuously work on the research and development of accessories. Custom made adapters have been designed to allow our customers mixing in a wide range of small and large containers such as our polypropylene PP Mix Cups or syringes, cartridges, glass bottles and customer specific containers. Our single and multiple cavity holder solutions allow mixing in one or more containers for every run. We are pleased to help you find the best suitable accessory to compliment your formulation process.



EQUIPMENT STANDS



Comfort and safety for your workstation

A portable floor stand is available for the 400-1100gm DAC range and all SmartDAC instruments. The Hauschild SpeedMixer® is positioned on the stand at an ergonomic, user-friendly height with sufficient storage space for accessories. Independent adjustable wheel heights with an integral locking mechanism guarantees easy relocation for optimal positioning and cleaning.



 **Hauschild**
SpeedMixer[®]



HAUSCHILD GMBH & CO. KG

Waterkamp 1
59075 Hamm, Germany

✉ Info@Hauschild-SpeedMixer.com
☎ +49 (0)2381 482050

www.Hauschild-SpeedMixer.Com

PRODUCTIVE INNOVATIONS LIMITED

Hauschild SpeedMixer[®] U.K A.S.C
Shipston-On-Stour, England. CV36 4BA

✉ 50Years@Hauschild-SpeedMixer.UK
☎ +44 (0)1608 637220

www.Hauschild-SpeedMixer.UK

THE PAST. THE PRESENT. THE FUTURE.

5 decades dedicated to the
original Hauschild Speedmixer[®]



**THE ORIGINAL
GERMAN MIXING
SOLUTION FOR
OVER 50 YEARS
1974 - 2025**