

THE BEAUTY OF  
*PRECISION*

 **Hauschild**  
*SpeedMixer*<sup>®</sup>

*Air-Free Material  
Mixing Excellence  
For 52 Years*



## 2026 SPEEDMIXER PORTFOLIO

Powder Mixing. Dispersing. Milling. Vacuum Degassing.

**NextGen: SMART Mixing.**

# HAUSCHILD ENGINEERING

## 52 years of dedication and development of 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

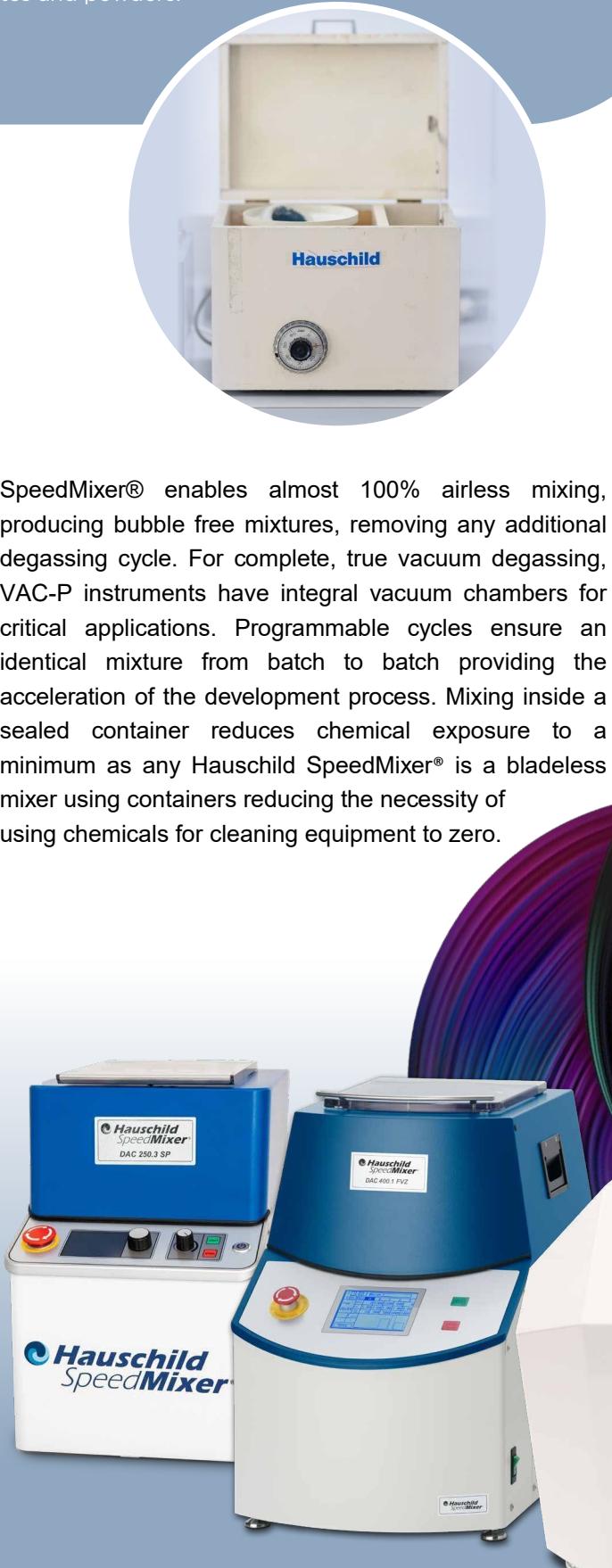
### German Precision Engineering

Through continuous improvements made over 52 years, the Hauschild SpeedMixer® became the most reliable mixing solution available today. Mixing of materials is based on the Dual Asymmetric Centrifuge (DAC) principle: a sealed PP Mix Cup safely contains the material(s) rotates clockwise around a main axis with a counter-clockwise around the mixing basket's axis. The combination of high forces generated by these opposite rotations allows for very fast and homogeneous bladeless mixing. Our precision engineering provides perfect balance and equilibrium allowing for a safe and very quiet operation. Thanks to its optimised mechanical configuration, any Hauschild

SpeedMixer® enables almost 100% airless mixing, producing bubble free mixtures, removing any additional degassing cycle. For complete, true vacuum degassing, VAC-P instruments have integral vacuum chambers for critical applications. Programmable cycles ensure an identical mixture from batch to batch providing the acceleration of the development process. Mixing inside a sealed container reduces chemical exposure to a minimum as any Hauschild SpeedMixer® is a bladeless mixer using containers reducing the necessity of using chemicals for cleaning equipment to zero.

## SPEEDMIXER RANGE

The Hauschild SpeedMixer® product range is divided in three major groups, depending on the maximum nominal gross weight an instrument can mix: small, medium, and large models. Small and medium equipment are generally better suited for laboratory work using straight sided containers, larger equipment can also be utilised in production settings where batches are produced in larger volume plastic or metal tapered pails.



## SPECIAL FEATURES

### Why we mix it better



Volume is an important parameter when mixing and that is why Hauschild offers the largest capacity 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 inertia for more power providing the most efficient, clean process solution.

## ROBOTIC SOLUTIONS

### Optimise your workflow

Hauschild SpeedMixer® manufacture Robotic models too. Our Robotic products are used in small and large automated systems developed in collaboration with world recognised system integrators. The world's first Robotic mixer with integrated Vacuum Degassing we introduced to celebrate 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 1974-2026**

# THE NEXT GENERATION CONTINUES: 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.

Our 250gm-2kg SMART-DAC models provide mixing volumes from 310ml up to 3.8 liters. **Choose the mixing basket volume that best suits your material application.**

The 2026 Large Production Scale Smart-DAC can process one or two 22ltr pails each with a 15kg weight capacity producing upto for 30kg / 44ltr per batch.



**#MixingWithTheBest 1974-2026**



## 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, safe and long lasting. These are the reasons why the Hauschild SpeedMixer® Smart-DAC represents a fast Return On Investment.

### Manufactured In Germany

Hauschild Engineering invented, develops and handcrafts its Dual Asymmetric Centrifuge models from Germany 2026 for over 5 decades now, with three years previously devoted to developing our unique new Smart-DAC mixing instrument that continues to be the Gold Standard in laboratories around the world.

### Still Creating World First Standards 52 Years On

More than 900 patents have been developed using our DAC Hauschild SpeedMixer® devices. The Smart-DAC will sustain future development for new applications, processes, protocols and even more.

## MATERIAL TYPES



### You name it, we mix it

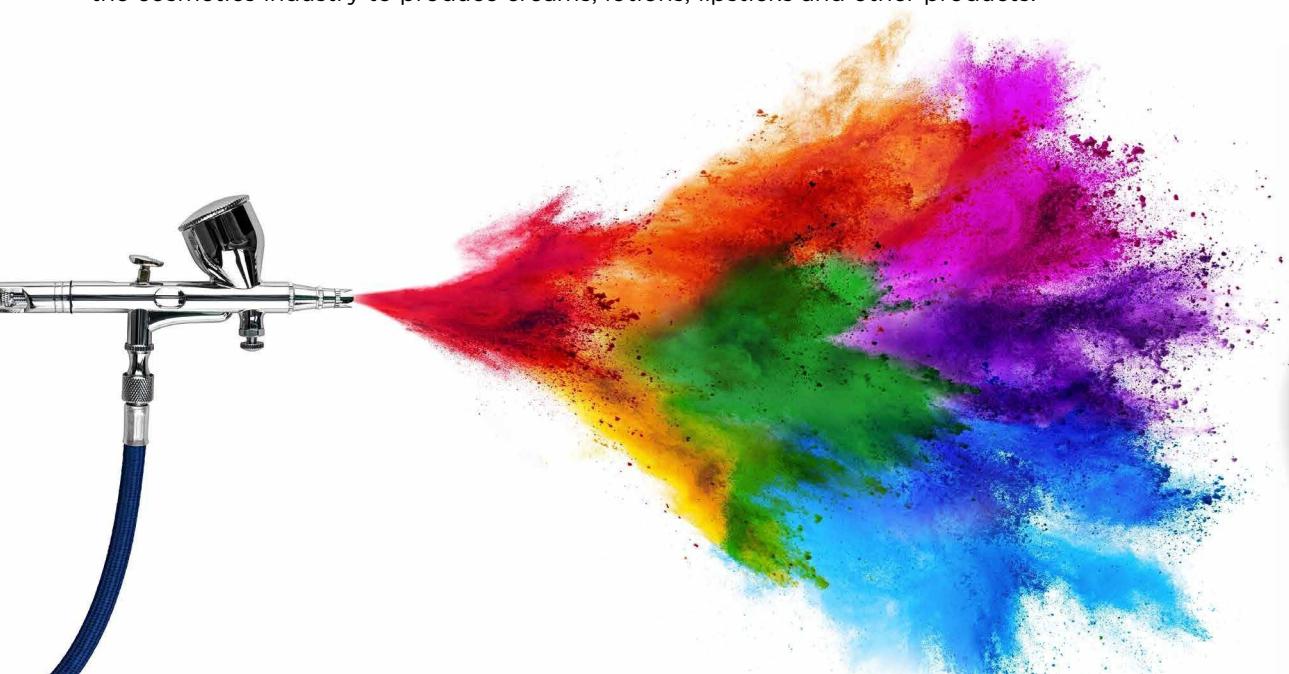
The Hauschild SpeedMixer® can be used to mix different fluids and pastes, pastes with powders, powders with powders and other fluids/powders combinations. Materials with different chemical and physical properties can be mixed, dispersed or milled. You chose! Resins, inks, paints, silicones, oils, gels, 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 mutiple 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.

## PORTABLE 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 sufcient storage space for accessories. Independant adjustable wheel heights with an integral locking mechanism guarantees easy relocation for optimal positioning and cleaning.



**Hauschild**  
*SpeedMixer*®



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**THE PAST. THE PRESENT. THE FUTURE.**

5 decades dedicated to the  
original Hauschild Speedmixer®



**ORIGINAL GERMAN  
MIXING SOLUTIONS  
FOR 52 YEARS NOW  
1974 - 2026**