

A BEAUTIFUL BLEND OF  
**ACCURACY + ROI**

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

**Legendary Reliability  
Meets Revolutionary  
Intelligence.**

# HAUSCHILD SPEEDMIXER<sup>®</sup> **SMART/DAC** SERIES

**With real-time jar's temperature control  
and many other new unique features.**



Know How. Craftsmanship. Innovation.  
The most advanced DAC mixers ever - Hauschild SpeedMixer SMART DAC

It has been almost 50 years since our founder Gerd-Ulrich Schmidt invented the Hauschild SpeedMixer® and with it, ushered in a new era of DAC (Dual Asymmetric Centrifugal) mixer technology. Now we have combined almost **50 years of craftsmanship and expertise** with SMART innovations. With our new generation of Hauschild SpeedMixer® SMART DAC we **revolutionize** DAC mixing by adding SMART features.

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



### What does SMART mean to us?

#### Speed -

new motor 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.



Enjoy the beauty of precision and **mix the “unmixable”** with the new Hauschild SpeedMixer® SMART DAC generation. Many other new and unique features will enhance your mixing process.

## NEW CAPACITY AND HIGHER VOLUME AVAILABLE

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 will be available with mixing volume from 310 ml up to 2.8 liters.  
**Choose the volume that better suits your material.**

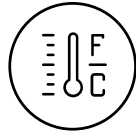


## UNIQUE NEW FEATURES

The following innovative features are available on all SMART DAC mixers:



**SENSORS INTEGRATION**  
(humidity, gas detection, fire & smoke,...)



**REAL-TIME JAR'S 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 and deceleration programmable for each step
- ⌚ up to 30 minutes mixing time
- ⌚ 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 since almost five decades. We have devoted the last three years to offer our customers a unique device that will be a milestone 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.



**THREE YEARS IN THE MAKING.  
CHANGING BLADELESS MIXING FOREVER.**

**The new generation of ultra-intelligent  
Hauschild SpeedMixer® DAC**

## NON-VACUUM MACHINES

Hauschild SpeedMixer®	Mixing Weight (g) <sup>1</sup>	Mixing Volume (ml) <sup>2</sup>	Max. Speed (rpm)
SMART DAC 400.3 FVZ LR	400	1000	2400
SMART DAC 600.3 FVZ LR	600	1000	2200
SMART DAC 700.3 FVZ LR	700	1000	2000
SMART DAC 800.3 FVZ LR	800	1000	1850
SMART DAC 1100.3 FVZ	1100	2000	1700
SMART DAC 1500.3 FVZ	1500	2800	1400
SMART DAC 2000.3 FVZ	2000	2800	1200

## VACUUM MACHINES

Hauschild SpeedMixer®	Mixing Weight (g) <sup>1</sup>	Mixing Volume (ml) <sup>2</sup>	Max. Speed (rpm)
SMART DAC 250.4 VAC-P LR	250	375	2500
SMART DAC 400.4 VAC-P LR	400	1000	2400
SMART DAC 600.4 VAC-P LR	600	1000	2200
SMART DAC 700.4 VAC-P LR	700	1000	2000
SMART DAC 800.4 VAC-P LR	800	1000	1850
SMART DAC 1100.4 VAC-P	1100	2000	1700
SMART DAC 1500.4 VAC-P	1500	2800	1400
SMART DAC 2000.4 VAC-P	2000	2800	1200

<sup>1</sup> Including material, jar and holder    <sup>2</sup> All machines are optionally available up to 2.8 liters basket  
All machines are also available in Robotic version

### PRODUCTIVE INNOVATIONS LTD

Application Support Centre,  
Shipston-On-Stour, Warwickshire,  
England. CV36 4AB.

✉ info@hauschild-speedmixer.uk  
☎ +44 (0)1608 637 220

www.hauschild-speedmixer.uk