

# WE 'R' SMASHING



## NEW

# PADDLE BLENDER PB 100

### BENEFITS

- With patented SMASH effect
- Sterile bags for a great variety of applications
- Very short blending time (30 sec – 1 min)
- No blockage due to automatic overload protection
- Reproducible results due to digital setting of time and speed via intuitive keypad
- Fully accessible leak-proof chamber, easy to clean
- Very quiet operation (sound level at least 10 dBA less than conventional blenders)

[www.retsch.com/pb100](http://www.retsch.com/pb100)

THE MOST EFFECTIVE  
BLENDER FOR  
MICROBIOLOGICAL  
FOOD TESTING!

IDEAL FOR BLENDING OF  
SEMI-SOLID AND SOLID  
FOOD SAMPLES!

# Retsch®

Solutions in Milling & Sieving

a VERDER company

[www.retsch.com](http://www.retsch.com)

# PADDLE BLENDER PB 100



Performance data	PB 100
Applications	sample preparation for microbiological food testing
Feed material	semi-solid and solid foodstuffs
Feed size*	1 mm - 100 mm
Batch size	80 - 400 ml
Sample bag size	190 x 300 mm
Average processing time	30 s
Speed setting	digital, slow / normal / fast
Time setting	digital, 10 seconds - 3 minutes, continuous

Technical data	
Power consumption	100 W
W x H x D	330 x 400 x 380 mm
Weight	approx. 20 kg

\*depending on feed material and instrument configuration/settings



The housing and chamber are resistant to disinfectants and wear.



The PB 100 can be tilted back by 45° for easy access.

## Order data

Paddle Blender PB 100		Item No.
Paddle Blender PB 100, complete with 50 sterile bags, standard		
PB 100 for 220-240 V, 50/60 Hz		20.270.0001
Other electrical versions available		
Accessories PB 100		
Sterile bags, standard	2500 (50x50) pcs.	22.057.0001
Sterile bags with lateral filter	1500 (30x50) pcs.	22.057.0002
Sterile bags with full surface filter	1500 (60x25) pcs.	22.057.0003

**Ask for our special introductory offer!**

## Blending with SMASH effect

The Paddle Blender PB 100 is designed for sample preparation for subsequent microbiological food testing. The homogenization of the sample is produced by a combination of mechanical effects. The **patented SMASH effect** is complemented by a peristaltic mixing of the sample which guarantees optimum sample preparation. The automatic overload protection for difficult samples, such as carrots or cheese rind, helps to **avoid blockage**; it is not necessary to reposition the bag. The samples are prepared in disposable sterile bags. Thus, cross contamination is avoided and instrument sterilization between samples made obsolete. The bags are available in different designs and can be heat sealed for toxic waste.

The PB 100 is exceptionally easy to operate. The parameters are selected via an intuitive keypad and are displayed on an LCD screen which also shows the elapsed blending time. **Three preset speeds and nine different blending times** offer a wide range of possibilities. The PB 100 is started simply by pulling down the handle.

In case sample material has leaked into the chamber, cleaning the PB 100 is a matter of seconds due to the fully accessible chamber, integrated waste drawer and round corners. The Paddle Blender combines unique design with robust construction. The housing and chamber made of ABS are **resistant to disinfectants and wear**. The paddles and inside door are made of stainless steel.

The innovative design of the PB 100 (soundproof conception) makes it the **quietest lab blender** compared to any standard blender in the market with approximately 10 dBA less noise development.

# Retsch®

**Retsch GmbH**  
Rheinische Straße 36  
42781 Haan, Germany

Phone +49 21 29/5561 - 0  
Fax +49 21 29/8702

E-Mail info@retschi.com  
Internet www.retschi.com

a VERDER company

RETSCH – Your specialist for sample preparation offers you a comprehensive range of equipment. Please request information on our crushers, mills, sieve shakers, sample dividers, feeders as well as cleaning and drying machines.