

## Blending with SMASH effect

### The most effective blender for microbiological food testing

With the new Paddle Blender PB 100 RETSCH now offers the most effective blender for semi-solid and solid food samples. 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 PB 100 is exceptionally easy to operate. **Three preset speeds and nine different blending times** offer a wide range of possibilities. 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. Another crucial advantage: 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.

#### Benefits at a glance:

- Highly effective due to 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)

Retsch is a global company dedicated to providing novel technologies and high quality tools for the sample preparation of solids used in R&D and QA applications as well as small scale production. For more information about Retsch's complete product line of mills and grinders, sample dividers, sieve shakers and test sieves, please contact us at [marketing@retsch.de](mailto:marketing@retsch.de) or phone + 49 2129/5561-0.

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