

## SpeedMill P12

- Efficient homogenization system for various starting material, which are used for isolation and purification of DNA, RNA and proteins
- Complete and reproducible homogenization even in case of extremely resistant starting materials
- Continuous operations are possible without any problems
- No tools required to operate the instrument

### Homogenization principle

- Mechanical principle, which prevents substantial sample warming
- Rapidly moving beads crush and disrupt the material

## System parameters

<b>Construction</b>	Carbon fibre technology
<b>Homogenization time</b>	30 sec – 4 min (depending on the starting material)
<b>DNA / RNA Purification Time</b>	20 – 30 min for standard protocols (complete nucleic acid purification)
<b>Homogenization speed</b>	50 Hz (50 s <sup>-1</sup> )
<b>Device handling</b>	Stand alone

## Application parameters

<b>Homogenization routines</b>	<ul style="list-style-type: none"> <li>▪ User-defined homogenization times</li> <li>▪ Optimized protocols using innuSPEED Kits</li> </ul>
<b>Sample handling</b>	Simple loading and removing of sample tubes
<b>Sample capacity</b>	Up to 12 samples simultaneously
<b>Volume sample tubes</b>	0.5 – 2.0 ml self-standing, twisted vials
<b>Sample milieu</b>	Dry or wet homogenization

## Accessories - Kits

<b>Sample preparation</b>	<ul style="list-style-type: none"> <li>▪ Different beads available</li> <li>▪ Optimally adaptation to a diverse range of soft and hard starting materials</li> </ul>
<b>Complete purification</b>	<ul style="list-style-type: none"> <li>▪ Optimized kits for the complete isolation of DNA or RNA</li> <li>▪ Contains special lysis tubes, specific beads and pre-made buffer</li> </ul>

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### Available SpeedMill P12

Basis unit	Specifications	Order number	Note
SpeedMill P12	220 V Instrument system stand alone	845-00005-2	Preparation Kits have to be ordered separately
SpeedMill P12	110 V Instrument system stand alone	845-00006-2	Preparation Kits have to be ordered separately

### Other technical data

<b>Dimensions (W x H x D)</b>	155 x 305x 260 mm
<b>Weight</b>	12 kg
<b>Power supply</b>	AC 220 V 50 Hz / 110 V 60 Hz
<b>Power consumption</b>	150 W (max)
<b>Fuses</b>	250 V, 5 A
<b>Guarantee</b>	1 year warranty



Subject to changes in design and scope of delivery as well as further technical development!