



## 盘式振动研磨仪RS 300

Analytical fineness for large sample volumes

**No grinder can beat the speed of a Vibratory Disc Mill when it comes to preparing samples for spectral analyses. RETSCH's Vibratory Disc Mill RS 300 is suitable for rapid, loss-free and reproducible grinding of medium-hard, brittle and fibrous materials.**

Thanks to the robust universal drive shaft, which sets the grinding jar into a 3D motion, the RS 300 accepts grinding set weights of up to 30 kg. The closed grinding system guarantees complete processing of the sample.

Grinding sets are available in a variety of sizes and materials, allowing for easy adaptation to application requirements.



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## REPRODUCIBLE & SAFE

- | Reproducible results and homogeneous samples thanks to universal drive shaft (3D vibration of grinding sets)
- | Auto-reverse function (left/right rotation)
- | Programmable interval function (start/ stop automatic)
- | Grinding jar volumes from 100 ml up to 2,000 ml
- | Pneumatic grinding-jar clamping (with air-pressure) for convenient and safe handling
- | Additional safety feature: Mill only starts when the pneumatic pressure is correct
- | Optional AutoLifter for ergonomic lifting of heavy grinding sets



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## ERGONOMIC HANDLING AND EASY OPERATION

Operation and handling of the RS 300 and its grinding sets is convenient and ergonomic. The **AutoLifter** is an optional accessory which greatly facilitates ergonomic lowering and lifting of the high-capacity grinding sets. It is simply placed around the grinding set and activated by pushing a button.

The **pneumatic clamping device** allows for convenient and safe fastening of the jar. The mill only starts if the pneumatic pressure is correct and the device lifts automatically when the grinding process stops.

The grinding parameters are entered using a keypad. While the programmable interval function helps to improve grinding results, the autoreverse function reduces caking effects inside the grinding jar.



Thanks to a variety of sizes and materials of the grinding sets, the RS 300 is suitable for a wide range of applications. The mill accommodates batch sizes from 35 ml to 2000 ml and material feed sizes up to 20 mm.

A grinding set for the vibratory disc mill consists of a grinding jar with cover and a grinding disc. The 400 ml grinding set also contains a grinding ring, the 300 ml grinding sets has two additional grinding rings.

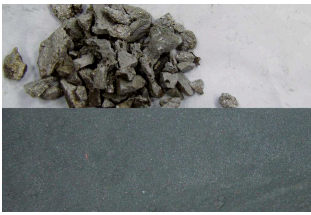
The grinding sets are characterized by the following features:

- | Safe, non-slip attachment with anti-twist lock on cover and base
- | Gap between dish and cover edge for easy opening
- | Optimum sealing with O-ring (ideal for wet grinding)
- | Clear grinding set identification (article number, material and volume)
- | The disc of the 800 ml, 1000 ml and 2000 ml grinding sets has an opening which supports perfect mixing of large sample quantities



盘式振动研磨仪RS 300  
典型样品材料

RETSCH的振动盘磨仪可以快速粉碎材料，如水泥、熟料、陶瓷、煤、焦炭、混凝土、刚玉、玻璃、金属氧化物、矿物、矿石、硅酸盐、矿渣、土壤等等。



炉渣



电子产品废料



铌



白云石

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## 盘式振动研磨仪RS 300

### 技术参数

应用	粉碎、混和与研磨制样
应用领域	地质 / 冶金, 建筑原料, 环境 / 资源回收利用, 玻璃/ 陶瓷
样品特征	中硬性, 硬的, 脆性的, 含纤维的
粉碎原理:	压力、摩擦力
最大进样尺寸	< 20 mm
最终出料粒度 *	< 20 µm
批次加料量*	35 - 2,000 ml
网频 <b>50赫兹 (60赫兹)</b> 下的转速	912 min <sup>-1</sup>
研磨套件材料:	铬钢 (淬火钢), 碳化钨, 钢1.1740 (防重金属污染)
研磨罐尺寸	50 ml / 100 ml / 300 ml / 400 ml / 800 ml / 1,000 ml / 2,000 ml
粉碎时间设定	digital, 00:00 to 59:59
驱动	三相电机
驱动功率	2.2 kW
电源数据:	不同电压
电源接头:	三相
防护类型	IP 40
机体尺寸 (宽x高x纵深)	1150 x 1400 x 810 mm
净重	~ 415 kg (不含研磨架)
标准	CE

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