

MonTech R-VS 3000

Rheometer - constant volume sample cutter



The R-VS 3000 Rheometer volumetric sample cutter

With an all new C-frame design accessibility to the cutting area along with the overall stability of the cutter has been improved. The completely new design allows loading of long rubber sheets and strips without the need for making any pre-cuts. Endless rubber strips and can be simply fed through the cutter.

The reinforced C-frame consists of a single cast iron part making the R-VS 3000 the most stable and reliable volumetric sample cutter in the market.

The cutting mechanism consists of a double-acting pneumatic system, ensuring a constant, user-defined specimen volume - even on toughest materials.

The cutting sequence is simply started by simultaneously pressing the two operation buttons. Initially the material is compressed to a constant volume and in a second step after the compression time is elapsed the sample is cut automatically by a knife sliding upwards from the bottom onto the upper compression piston.



Key features and advantages of the R-VS 3000 sample cutter:

- Integral C-frame design for easy accessibility and highest rigidity
- Longer lifetime of the knife due to compression piston / sliding knife design
- No consumables / cutting plates needed > no possibility of material contamination
- Easy and simple to operate > just keep the 2 pushbuttons pressed for the duration of the cutting sequence
- The R-VS 3000 uses only compressed air and is equipped with a two-handed safety

Technical specification

Cutting diameter	35 mm (others optional)
Max. thickness	18 mm
Reproducibility	0.1 %
Sample volume	2 cm ³ to 12 cm ³ (adjustable)
Compression - time	1 sec to 15 sec (adjustable)
Dimensions (H x W x D)	600 mm x 430 mm x 380 mm
Weight	80 kg
Pneumatics	min. 5.0 Bar
Electrical	100 - 260 VAC, 50/60 Hz, 1 amp

