

MonTech M-VS 3000

Mooney - constant volume sample cutter



The M-VS 3000 Mooney volumetric sample cutter

enables higher accuracy, repeatability and optimized testing results in Mooney Scorch and Viscosity testing by preparing constant volume test samples. The M-VS 3000 features an automatic cut of a center hole for the rotor shaft along with a time delay for compressing the material before cutting. This guarantees the highest sample preparation reproducibility.

Therefore the M-VS 3000 volume cutter is fitted with a double acting pneumatic system which is controlled by a two-hand safety control system with anti-tiedown.

The M-VS 3000 sample cutter increases operator safety, reduces operational variability, and totally eliminates the need for manual sample cutting.



The cutting process is a controlled sequence comprising 2 steps:

- Compression of the material to a constant volume and cutting of an inner borehole for the rotor shaft
- After a set time delay the test sample is cut to the die diameter

Technical specification

Cutting diameter	45 mm
Max. thickness	20 mm
Reproducibility	0.1 %
Sample volume	about 15 cm ³
Compression time (adjustable)	1 sec to 15 sec
Dimensions (H x W x D)	600 mm x 430 mm x 380 mm
Weight	50 kg
Pneumatics	min. 5.0 Bar

