



CCSi provides this high quality constant volume specimen die cutter for obtaining constant volume test specimens employed by the:

- Mooney Viscometer ([ASTM D1646](#));
- Oscillating Disk Rheometer ([ASTM D2084](#));
- Moving Die Rheometer ([ASTM D5289](#)).

Test specimens having a specific volume is especially critical in obtaining repeatable and reproducible test determinations as:

- undersized samples cause imperfect filling of the cavity formed by the die, and
- oversized samples negatively influence temperature recovery time and may prevent complete die closure.

The Gibitre™ constant volume specimen die cutter features a unique and exclusive adjustment system that allows the user to *selectively* obtain precisely controlled test specimens.

This advanced feature of the Gibitre™ constant volume specimen die cutter makes it a truly economical and flexible system for obtaining precision test specimens. It also produces the rotor shaft orifice in the lower die specimen for the Mooney Viscometer samples, saving considerable preparation time.



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The constant volume specimen die cutter combines the unheralded precision, ease of use, increased rates at which samples can be produced, and positive influence on test determinations ... making it a necessary fixture in laboratories that are concerned with the ultimate in productivity and precision!

Specimen molds, for this, and many other applications, are available from CCSi. The pricing and specifications are enumerated on the [Specimen Mold](#) pages.

Gibitre™ Constant Volume Specimen Die Cutter: Specifications

Maximum Pressure:	1,200 kg @ 6 bar (2,646 lbf @ 87 psi)
Specimens Obtainable:	<ul style="list-style-type: none"> • MDR 7 cm³ (0.43 in³) • ODR 9 cm³ (0.55 in³) • Mooney Upper 13 cm³ (0.79 in³) • Mooney Lower 12 cm³ (0.73 in³)
Air Pressure Required:	6 bar (87 psi)
Dimensions:	360 x 400 x 960 mm (14.2 x 15.8 x 37.8 in.)
Net Weight:	80 kg (176 lb.)
List Price:	Please Submit a Request for Quotation (RFQ)

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