

## Sample Cutters & weight per unit area

**Sample Cutters** cut out rapidly, accurately and safely circular specimens of fixed diameter.

Virtually any type of material can be cut, including woven, non-woven and knitted textiles, carpet, film, foam, paper and board.

Cut specimens are weighed to determine weight per unit area.

Alternatively, specimens are cut to a particular size, suitable for some other form of testing – a good example being a Martindale abrasion or pilling test.

The cutters can handle a material thickness up to about 5mm. If you need more: Model 230/100(C) incorporates heavy duty blades, resulting in a depth of cut of approximately 10mm.



### METHOD OF USE

The material to be cut is placed between the **Sample Cutter** and the *specially-designed* Cutting Board. When the safety catch is released, light downward pressure on the hand wheel brings the multiple blades into contact with the material. Specimens are cut by rotating the hand wheel under a light, even pressure. The design, and precision manufacture of our instruments, ensures the specimens are perfectly circular and have smooth edges. A UKAS Calibration Certificate is available to validate the cutting accuracy. To maintain the cutting efficiency, the blades should be turned or changed when they become damaged or blunt, and the cutting board should be turned or changed when it becomes worn. For the best results *use only the approved blades and boards*.

### WEIGHT PER UNIT AREA

To determine the weight per unit area, the cut specimen is transferred to a digital balance. Weigh a (100cm<sup>2</sup>) specimen in grams, multiply the result by 100 and obtain instantly, grams per square metre (g/m<sup>2</sup>)

**Our Balance model CQT 202 of ADAM EQUIPMENT** has a maximum weighing capacity of 200g, which caters for any material up to 20000g/m<sup>2</sup>. We offer many more balances in the **ADAM EQUIPMENT** Range with different capabilities and readabilities. Please ask for more details



### HOW TO ORDER

STOCK CODE	MODEL	SPECIMEN AREA	SPECIMEN DIAMETER
902-225	230/10	10cm <sup>2</sup>	36mm
902-227	230/50	50cm <sup>2</sup>	80mm
902-220	230/100	100cm <sup>2</sup>	113mm
902-226	230/1031	1/100th yd <sup>2</sup>	103mm
902-222	230/38	12cm <sup>2</sup>	38mm
902-221	230/140	154cm <sup>2</sup>	140mm
902-223	230/100(C)	100cm <sup>2</sup>	113mm

**CQT 202** Balance. Measuring range 200 grams. (0.01 to 20000 g/m<sup>2</sup>) Resolution 0.01 gr.  
**761-801** Cutting Boards (grey) for all Cutters - per pack (10)  
**various** Blades for sample cutters