

Sampling/Preparation

Sample Preparation

Riffle Boxes

Gravity operated. To BS812 and BS1377. Designed to provide rapid separation of bulk powdered and granular materials into two equal representative samples. The open top has twelve slots and three sample receiver boxes are supplied.

	Aperture size, mm	Material
SD160-10	7	Mild steel
SD160-14	15	Mild steel
SD162-12	6.35	Stainless steel
SD162-16	12.7	Stainless steel

Repro sample divider – see *SF200-10*.

Sieves and Sieve Shakers – see *Sieves section*.

Grinding Mill A11 basic, IKA

For small scale, high speed grinding of hard, brittle, or soft, fibrous materials. Comprises drive module with stainless steel beater and shroud which mounts onto a screw-fitting, plastic grinding chamber, volume 80ml. Grinding speed 28000rpm. Maximum running time 5 minutes. With electronic overload protection and overheat safety switch. Overall 85 x 85 x 240mm high. Weight 1.5kg. For 230V 50/60Hz single phase supplies. 300W.

MP300-20 A11 basic

Accessories and spares for MP300-20 only

MP305-09 Coated, hard steel beater for grinding hard, brittle materials with grain size 6 to 7mm

MP305-11 Cutter knife for grinding soft, fibrous materials

MP305-16 250ml grinding container, requires double beater MP305-48 for operation

MP305-47 Spare beater, stainless steel

MP305-48 Double beater, titanium for use with MP305-16 only

Mortar and Pestle Mill RM200

For dry or wet grinding of a wide range of materials including ceramics, chemicals, cosmetics, pharmaceuticals, mineral paints, plastics etc. Depending on suitability, samples from 10ml to 190ml can be milled, pulverised and homogenised to an ultimate fineness of approximately 10µm. A choice of accessory porcelain or agate mortars and pestles are available. Sample can be fed into the mortar during operation, maximum feed size 8mm. Pestle pressure is adjustable and reproducible. With digital control. Includes automatic overload cut-out and "quick-stop" motor. Overall 400 x 370 x 450mm W x D x H. Weight 24kg. For 230V 50Hz single phase supplies. Supplied without mortar and pestle which are required for operation.

MX300-30 RM200

MX303-05 Mortar for RM200, porcelain

MX303-07 Mortar for RM200, agate

MX303-15 Pestle for RM200, porcelain

MX303-17 Pestle for RM200, agate



SD162, SD160 are similar



MP300-20 with MP305-16



MX300 in use