

## SAMPLING AND PREPARATION OF SOILS - AS 1289.1.1



CL20145

### CL 20145 LABORATORY MULLER

The Civilab Laboratory Muller has a bowl size of 300mm diameter x 400mm deep and is used for mixing, grinding, wet kneading and blending many types of materials including soils for various tests. The drive is through a half horse power motor and gearbox. Material is removed from the bowl by way of a chute into a container.

### CL 20150 SOIL PREPARATION MACHINE

The Civilab Soil Preparation Machine has been Manufactured with the aim of assisting the laboratory technician in the tedious work of preparing samples for CBR and COMPACTION TESTS and enabling the laboratory to be more cost efficient.

The machine is free standing and is approximately 700mm wide x 750mm deep x 1470mm high. It is powered by a 1.1kw electric motor and is directly coupled to the drive train. The motor is doubly protected by a torque limiting shear pin and also a thermal overload.

The grinding plate 530mm diameter is manufactured from grid mesh. All material passes through this grid mesh and via a funnel arrangement falls into a large sample tray which is provided with the machine. The machine is large enough to handle CBR and COMPACTION samples with ease. A cleaning brush can be incorporated to assist in the cleaning of the grid mesh after use or change of materials.

With personal safety in mind, micro switches have been fitted to the grinding plate guard and electrical control box. These immediately cut power to the machine if the guard or control box are opened during operation.



CL20150