

Handling Device and Loading Method Thereof and Testing System and Testing Process Thereof

Abstract

The present invention relates to a handling device arranged to transfer a concrete sample to be tested to a testing machine. Handling device includes a holder arranged to engage and hold the concrete sample to be transferred to the testing machine; a remover connected to the holder, such that the remover is arranged to simultaneously remove a previous concrete sample from the testing machine when the holder is loading the concrete sample to the testing machine; a base such that the holder and the remover are extended from the base; such that the remover includes a remover portion such that the remover portion is being actuatable between a blocking position to prevent the holder from engaging the concrete sample when the device is actuated toward the concrete sample and an unblocking position where the holder is able to engage the concrete sample when the handling device is actuated toward the sample. A loading method using the handling device is provided. The present disclosure also describes a testing system and a testing process using the testing system.

Fig. 1