

KES

A.H.C. M/C Specification

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1. Scope of application

This directive shall be applied to the specification examination and making of A.H.C. M/C.

2. Purpose

This directive shall be for the purpose of the rational examination on A.H.C. M/C by specifying the form and specification of A.H.C. M/C.

3. A.H.C. M/C specification

3.1 Feed Unit

- (1) Combine Ball Screw and Motor by Span Ring or Power Lock.
- (2) Make it easy to exchange Ball Screw, BRG, LM Guide.
- (3) Use LM Guide for the humid parts.
- (4) Conduct the measure for waterproof and dust-proof. (Mount Dust Wiper on the surface of Slide) (Ball Screw, LM Guide, BPG, Motor)
- (5) Ball Screw BRG is used for eliminating Backlash.
- (6) Equip Drain Port on the cast-iron ware of BED in order for Coolant not to be pooled.
- (7) Get LM Guided, BRG, Ball Screw to be basically filled up with oil automatically.
- (8) Basically avoid Belt driving method between Servo Motor and Ball Screw and conduct the direct connection.
- (9) Basically take the P/C-mounted Servo Motor for position controlling method.

3.2 The principal axis unit

- (1) Take the automatic oil feeding method to prevent the heating and wearing of heat generation part but oil feeding method should be in a forced oil feeding method and Air Most method.
- (2) Take the measure to prevent Spindle from the permeating of Coolant.
- (3) Constitute a circuit for the prevention of the secession of Head.
- (4) Mount the Air Zero apparatus for confirming close adhesion (Right positioning) of