

KES

Specification Machining Center

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1. Scope of application

This standard shall be applied to all review and standardization of machining center.

2. Purpose

The purpose of this standard shall be the rational review by specifying the type and specification of machine center.

3. Specification machining center

3.1 Feed unit

- (1) Ball screw shall be the specified maker.
- (2) LM guide shall be used at operation part.
- (3) Carry out the measures for waterproof and preventing vibration (Dust).
(Ball screw LM guide, BRG, motor)
- (4) The connection between ball screw and motor shall be span ring or power lock.
- (5) Exchanging of ball screw, LM guide, BRG shall be easy.
- (6) Ball screw BRG shall be used for removal backlash.
- (7) The casting of the bed shall set the drain port so that the coolant can't be piled up.
- (8) LM guide, BRG, ball screw shall be automatically oil-supplied.
- (9) Avoid belt-driving method between servomotor and ball screw, and direct connection shall be principle.
- (10) The method of location control shall be basically servomotor with P/C.
- (11) Procure the know-how of exchanging ball screw, BRG and drawings of each part.

3.2 Main unit

- (1) For protecting from heat generation and wear, it shall be automatically oil-supplied, forced oil supply system by air mist.
- (2) Carry out the measures for protecting from coolant and chip.
- (3) Plate spring shall be easy to exchange, and get the know-how sheet of exchanging.