

ABSTRACT

A precision compensation method and system for a double-shaft scribing machine, relating to the technical field of scribing machine cutting. The method comprises: during compensation for a visual module (308), controlling a first Y-shaft (302) to drive the visual module (308) to move to a reference marked line zero point of a linear scale (309), moving towards a second Y-shaft (303) according to a unit stepping length of the linear scale (309), and recording a marked line image of the linear scale (309) at the visual module (308) after the movement; compensating the visual module (308) on the basis of the marked line image; after the compensation for the visual module (308) is completed, compensating the first Y-shaft (302); after the compensation for the first Y-shaft (302) is completed, during compensation for the second Y-shaft (303), controlling the second Y-shaft (303) to cut a component to be cut, and acquiring a cutting image at the second Y-shaft (303); and compensating the second Y-shaft (303) on the basis of the cutting image. After the three components, i.e., the visual module (308), the first Y-shaft (302) and the second Y-shaft (303) are all compensated, the cutting precision of the double-shaft scribing machine is finally improved.

Fig. 1