

The invention relates to guide systems and can be used in machine tools for processing articles made of natural and artificial stone or other mechanisms for implementation of linear displacement and accurate positioning of elements. A guide system has guide structure that has first and second basic surfaces and one or more closing surfaces, sliding member, device for preliminary tension. The sliding member has a frame and mounted on it three first and two second guide rolling or slip elements that are placed in apexes of triangle and meant for rest on first and second basic surfaces, respectively, of the guide structure. The device for preliminary tension is used for formation of forces of preliminary tension that provide pressing of the first and the second guide rolling or slip elements to the first and second basic surfaces of the guide structure, respectively. The guide system provides reception of torque that rotates the sliding member relative to the long axis of the guide construction with simultaneous provision of smooth displacement of the sliding member without gaps. The control of guide system is facilitated.