

Automatic linear slide table

The automatic sliding table is based on the company's various double-axis linear sliding tables based on the combination of drive components and electronic control systems.

Various types of slide unit are combined to form a single-axis, dual-axis, three-axis and multi-axis automatic processing system.

Main application industries : 1. Robots , manipulators , reclaiming and feeding systems. 2. Packaging equipment. 3. Machine tool equipment. 4. Wood processing machinery. 5. Assembly equipment. 6. Detect scanning equipment. 7. Medical equipment. 8. Printing equipment . 9 textile equipment.

The automation module slide table can be customized according to customer needs. Our company has Taiwan's imported precision CNC machining center, various professional equipment and technical experience, and can accurately produce the necessary slide accessories and accessories to ensure that the finished product meets customer needs. standard.

Raw material and processing technology of guide rail body and circular guide rail

The main body of each type of guide rail adopts 6065 aluminum alloy as the production raw material and is formed by 10,000 tons of aluminum profile extruder. The accuracy of the body conforms to the national ultra-high precision standard of aluminum alloy profile.

Use CNC processing equipment parts and the molded body mounting hole to ensure the accuracy of the finished rail.

The round shaft adopts chrome-plated bearing steel round guide rails produced in Taiwan. The processing technology is to quench and temper the bearing steel round guide rails through high frequency heat treatment, and the body hardness reaches Rockwell hardness $62 \pm 2^\circ$. After grinding, the outer diameter tolerance is $-6 \sim -17. \mu\text{m}$, the surface is chrome-plated to prevent rust and increase wear resistance.

Assembly and positioning process of guide rail body and circular guide rail

Locating pin fixation: Locating pin holes are processed by CNC equipment on the two sides of the guide rail body , and the round shaft is put into the prefabricated round shaft column holes on the two sides of the guide rail body. $\Phi 4$ positioning pins are placed in the positioning pin holes to position the round shaft fixed.

The positioning technology is applied to the inner clip double-axis guide rails, structural guide rails, timing belt guide rails, modular guide rails, and linear slide products.

Raw material and production process of slider

The body of each type of sliders uses 6065 aluminum alloy as the raw material and is produced by 10,000 tons of aluminum profile extruder. The accuracy of the body conforms to the national ultra-high precision standard of aluminum alloy profile.

Use CNC each mounting hole molding processing equipment and parts of the body to ensure the accuracy of the finished integrated slider.

The steel wheels and special fixing screws for assembling the sliders are produced by grinding-grade technology. Mounted inside the drum shaft angular contact bearing.

