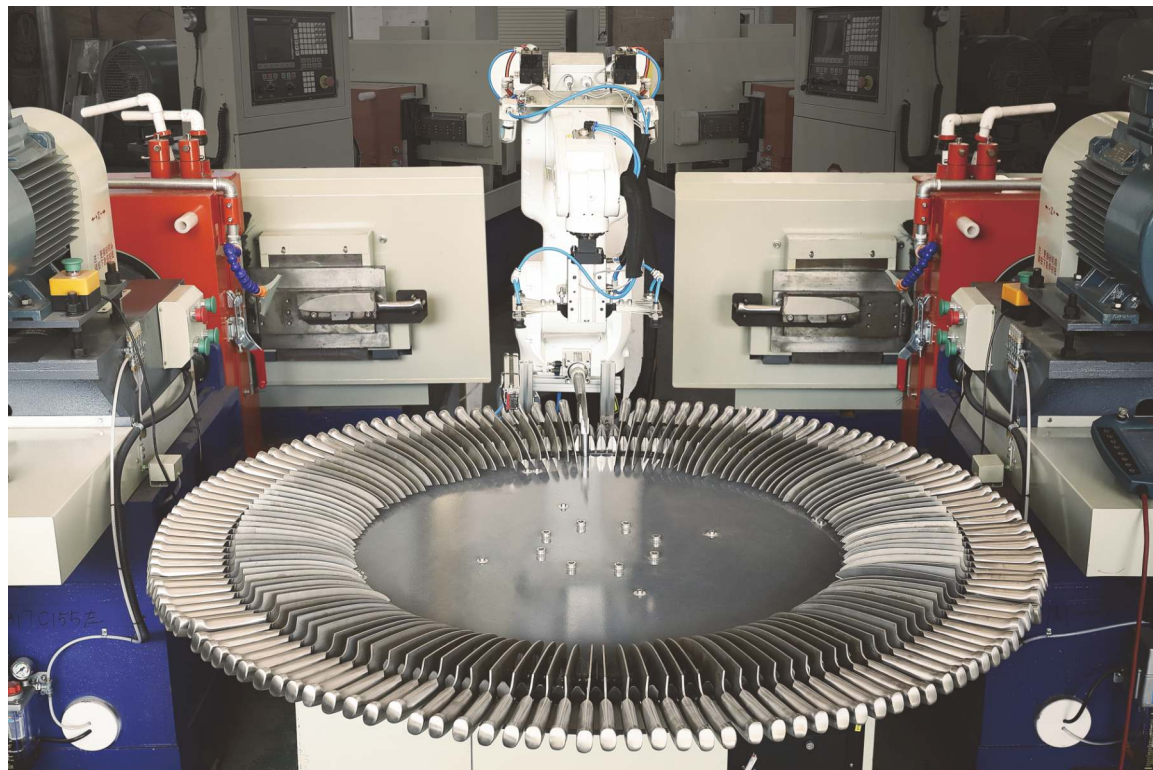


Rotary Table Automated Magazine: Suitable for robotic blade sharpening, and loading and unloading for bevel (flat) grinding.

- 1. Multi-functional adaptability: Capable of easily handling various types of knives, whether they are blade knives or knives with handles, perfect compatibility is achieved.
- 2. Large capacity storage: With 144 storage positions, it greatly improves space utilization and ensures the demand for continuous production.
- 3. Efficient and precise vacuum chuck: Using advanced vacuum chuck technology, it realizes a fast and accurate loading and unloading process for workpiece, ensuring precision and stability during the machining process.
- 4. One person multi-machine operation: The intelligent design of the system allows one operator to monitor the operation of three machines simultaneously, greatly reducing labor costs and improving production efficiency.
- 5. User-friendly interface: The system interface is intuitive and easy to use, allowing operators who are new to the system to quickly get started, simplifying the operation process and reducing the difficulty of operation.
- 6. Easy maintenance: The design fully considers the convenience of maintenance, making routine maintenance and troubleshooting easier and reducing downtime.

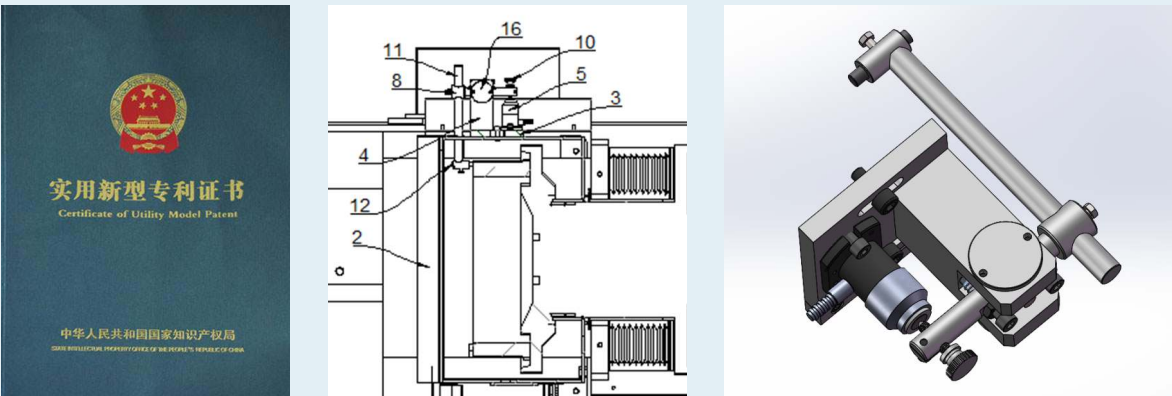


The design of the automated magazine depends on different conditions:

- Required magazine capacity (a full shift or per hour)
- Shape of the workpiece (handled, flat, or irregular)
- Application of single-process or integrated multi-process applications
- Method of workpiece positioning



AUTOMATIC GRINDING WHEEL COMPENSATION



In the automated grinding process of our CNC grinding machines, Ketuo CNC grinders can ensure the precision of the machined products without human intervention or inspection. Our entire series of products can be equipped with an optional practical new patent device— the "Automatic Grinding Wheel Detector" (Patent Number: 202222225589.8).

This device offers precise wheel compensation that meets the demands of actual automated production. It operates on the principle of mechanical displacement. After each workpiece is ground, the machine enters a measurement mode, moving the grinding wheel spindle towards the contact point of the detector (tungsten steel alloy bar). When the grinding wheel comes into contact with the alloy bar, the lever principle is activated, triggering the displacement detector to send a position signal once touched. This allows the CNC system to read the current position coordinates of the grinding wheel, ensuring that even after wear, the grinding wheel maintains a consistent absolute coordinate position.

