

Automatic Rounding Machine

This automatic rounding machine is a specialized metal cutting machine tool designed for precision rounding operations. It features advanced control systems for automated operation and is ideal for manufacturing components requiring precise circular shapes.



Product Overview

Precision Rounding and Correction

The YW10-J is an automatic inspection and rectification device engineered for the correction of ring gear parts before and after heat treatment. It utilizes a horizontal machine tool configuration to perform high-accuracy roundness correction while analyzing shape errors during rotation. The system is designed for maximum efficiency, offering adaptive control to suit various workpiece requirements while ensuring structural integrity.

Technical Features

Process Control Functions

- Maximum correction limit setting to prevent crushing or fracturing
- Adaptive control software for automated calibration cycles
- Manual mode for individual action unit adjustment
- Automatic fault diagnosis for easy maintenance

Data and Quality Management

100 programs

Workpiece Storage Capacity

Quality Assurance Features

Automatic screening, Defective part identification, Fault diagnosis, High accuracy measurement

Application

Suitable Applications

- Ring gear parts correction
- Post-heat treatment rectification
- Pre-heat treatment rounding
- Precision circular shape manufacturing